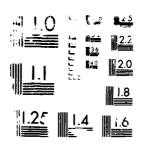
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USN'D 727675

USAFETAE/DS-87/084

UTIC FILE COPY

STIC SAN 1 1 1988

OPERATING LOCATION - A USAFETAC

Air Weather Service (MAC)



REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

MINDT AFB ND N 48 25 W 101 MSC 727675

N 48 25 W 101 21

ELEV 1668 FT KMIB

PARTS A - F HOURS SUMMARIZED 0000 - 2300 LST

PERIOD OF RECORD:

HOURLY OBSERVATIONS: SEP 77 - AUG 87

SUMMARY OF DAY DATA: OCT 59-AUG 87

"Approved for public release; Distribution Unlimited" FEDERAL BUILDING

ASHEVILLE, N.C. 28801 - 2723

1 8 DEC 1987

REPORT DOCUMENTATION PAGE

- la. Report Security Classification: UNCLASSIFIED
- 3. <u>Distribution/Availability of Report:</u> Approved for public release; Distribution unlimited.
- 4. Performing Organization Report Number: USAFETAC/DS-87/084.
- 5. Monitoring Organization Report Number: USAFETAC/DS-87/084.
- 6a. Name of Performing Organization: USAFETAC/OL-A
- 6b. Office Symbol:
- 6c. Address: Federal Building, Asheville, NC 28801-2723.
- 11 Title: (RUSSWO) Minot AFB ND.
- 12 Personal Author(s):
- 13a Type of Report: Data Summary
- 13b Time Covered: Oct 59-Aug 87.
- 14 Date of Report: Dec 87
- 16 Supplementary Notation:
- 17 COSATI Codes: Field--04, Group--02
- 18 <u>Subject Terms:</u> *climatology; *weather; meteorological conditions; winds; precipitation; temperature; visibility; barometric pressure; relative humidity; sky cover; psychrometric data; ceiling; Revised Uniform Summary of Surface Weather Observations (RUSSWO); Minot AFB ND; North Dakota; USND727675.
- Abstract: A six-part statistical data summary of surface weather observations for: Minot AFB ND. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO) for complete description of contents and instructions for use.
- 20 Distribution/Availability of Abstract: Same as report.
- 21 Abstract Security Classification: UNCLASSIFIED.
- 22a Name of Responsible Individual: Marianne L. Cavanaugh
- **22b Telephone:** (618)256-2625
- 22c Office Symbol: USAFETAC/LDD

DD FORM 1473UNCLASSIFIED

REVIEW AND APPROVAL STATEMENT

USAFETAC/DS-87/084 Minor AFB ND (RUSSWO) Dec 1987 is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This document has been reviewed and is approved for publication.

FOR THE COMMANDER

WALTER S. BURGMANN

Scientific and Technical Information Program Manager

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STATION NAME: MINOT AFB ND

STATION NUMBER: 727675

PERIOD OF RECORD:

HOURLY ORSERVATIONS: SEP 77 - AUG 87

SUMMARY OF DAY LATA: OCT 59 - AUC 67

TIME CONVERSION LST TO GHT: +6

DATE PRODUCED: 8 DEC 1967

CALL ID: KMIB

HOURS SUMMARIZED: 0000+2300 LST

OL-AZUSAFETACZMACZAWS ASHEVILLE NC 26601 REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

- HOURLY OSSLEVATIONS: ALL RECORD ON RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.
- SUMMARY OF DAY DATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AVAILABLE OBSERVATIONS WHICH INCLUDES HOURLY OBSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73. A S FORMS 10/10A.
- DESCRIPTION OF SUMMARIES: PRECEEDING EACH HART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLIDING THE MANNER OF PRESENTATION.
- STANDARD 3-FOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.
- FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-DC1. "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWO).

TABLE OF CONTENTS

STATION FISTORY

- PART A: WEATHER CONLITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES
- PART 8: PRECIPITATION. SNOWFALL. AND SHOW DEPTH SUMMARIES
- PART C: SURFACE WIND SUMMARIES
- PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARTES
- PART E: TEMPERATURE AND RELATIVE FUMIDITY SUMMARIES
- PART F: PRESSURE SUMMARIES
- AWSMSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WHO NUMBER WITH THE ADDITION OF A SUFFIX (O THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WHO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WHO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSC REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

	7 6 75	MINOT AFB NORTH DAKOTA		N	48 25	W 101	21 1668		IB	WMO NIMPTR
		STATION LOCATION	A NC	ND II	NSTRU	MENT	ATION	HIST	ORY	
OF OCATION		GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS	LOCATION	LATITUDE	LONGITUDE	ELEVATION FIELD (FT)	AROVE MSE HT. BARO	OBS PER DAY
1 2 3 4 5 6 7 8	Minot AF Same Same Same Same Same Same	B North Dakota	AFB Same Same Same Same Same	Mar 60 Dec 60 Mar 65 Mar 66 Nov 67 Jan 71 Mar 78 Jan 84	Nov 60 Feb 65 Feb 66 Oct 67 Dec 70 Feb 78 Dec 83 Aug 87	N 48 25 Same Same Same Same Same	W 101 20 Same W 101 21 Same Same Same Same]	1631 ft 1654 ft Same 1657 ft 1629 ft Same 1631 ft	24 24 24 24 24 24 24 24
HMBER	DATE	SURFACE HIND	EGUIPMENT	INFORMATION	<u> </u>					
OF OCATION	OF CHANGE	LOCATION		TYPE OF TRANSMITT	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ALI	HINDMAL FOULPI	MENT, OR REA	SON FOR CHANGE
1 2	Mar 60 Apr 60	Located on top of control to located in open area adjace active rnwy, 2000 ft WSW of observing bldg.	ent to	AN/GMÇ— Same	11 ti/A RO=2	65 ft. 18 ft.		,,		
3	Dec 60	Located 2000 ft from touchd point adjacent to primary r		Same	Same	10 ft.				
4	Mar 62	located in open area adjace active runway, 2000 ft WSW observing bldg.	ent to	Same	Same	18 ft.				
5	Mar 65	1. Located 800 ft NE of cen 2950 ft N of end of rnwy 29 2. Located 650 ft SW of cen 1500 ft S of end of rnwy 11	iterline	1	Same	19 ft. 15 ft.				

UMBER	DATE	SURFACE WIND EQUIPMENT INF	ORMATION			AND THE PROPERTY OF THE PARTY O
OF CATION	OF CHANGE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDITIONAL EQUIPMENT. OR REASON FOR CHANGE
6	Dec 70	1. Same	AN/GMQ-11	RO-362	Same	
1		2, Same	Same		Same	
7	Jan 71	1. Located 800 ft from centerline	Same	Same	19 ft.	
- 1		3010 ft N end of rnwy 29. 2. Located 650 ft. SW from center-	Same		15 ft.	
		line 1500 ft S of end of rnwy 11.	Jane		• • • •	
я	Feb 78	1. Same	Same	Same	Same	
- 1		2. Same	Same		Same	
9	Dec 83	1. Same	Same	Same	Same	
- 1		2. Same	Į I			
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	RSRTRRRRR	77 77 77 77 7 7 7	****
AA AA	RR RR	7.7	AA AA
AA AA	RR RR	T T	AA AA
AA AA	RRRRRRRRR	11	AA AA
**************	RRRRRRRR	T T	*****
	RR RR	1 7	******
AA AA	RR RR	11	AA AA
AA AA	RH RR	TT	AA AA
AA AA	RR RR	T T	AA AA
	A A A A A A A A A A A A A A A A A A A	AAAAAAAA KGRZRRRRR AA AA RR RR AA AA RR RR AA AA RRRRRRRR	AAAAAAAA KSRRRRRR TITTITI AA AA RR RR IT AA AA RR RR IT AA AA RRRRRRRR IT AAAAAAAAA RRRRRRR TT AAAAAAAAAA KR RR IT AA AA AA RR RR IT AA AA AA RR RR IT AA AA AA RR RR IT

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WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

MEATHER CONDITIONS SUMMARY

- 1. A PERCENTAGE FREGUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION-
- 2. DATA BASED ON HOURLY OBSERVATIONS.
- 3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ATMOSPHERIC PHENOMENA SUMMARY

- 1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
- 2. BATA BASED ON SUMMARY OF DAY DATA.
- 3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

DEFINITIONS:

THUNDERSTORMS: ALL HEPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OP DRIZZLE: ALL REPURTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OP SLEET. SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS. ANU/OR SLEET (ICE PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE
OF PRECIPITATION MAY APPLAN IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY
EXCELD THE PERCENTAGES IN THIS COLUMN.

FOG: ALL PEPORTED FOG. ICE FOG AND GROUND FOG.

SMOKE AND/OR FAZE: ALL REPORTED SMOKE, MAZE AND ANY COMBINATION THERLOF.

PLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

- DEST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF.
 THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA
 VISIBILITY LESS THAN 5/8 MILES (1000 METERS).
- ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECALSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

NO 1ES:

- 1. A VALUE IN THE TABLES OF ".U" INFLICATES LESS THAN .CS% UCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE
- 2. METAR STATIONS LEEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS IC/10A AND TRANSMITTED LUNGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA DBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE MILL APPEAR ON THE AWS FORMS 16/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THERFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FUR FOLICLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLODAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PERIOD OF RECORD: 78-87 MONTH: JAN

						Homin. Jan			
HOURS (LST)	I RAIN I ISTMS E/OR I DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	T OBS HAIL WITH PRECIP	FOG	SMUKE E/OR GLOWIN HAZE SNOW	G &/OR W/CE	085	••••
20±02	.3	.6	24.6	25.6	2.7	6.	1	930	• • • • •
L3-7.5	.3	1 .2	26.9	27.6	3.2	5.	3	930	
C6-Ga	ا ، ،	.6	29.1	29.8	4 . 3	6.	3 10	3.6 930	
09-11	ı	. 9	27.5	26 . 1	5.2	9.	7 20	4.8 930	
12-14	1 .2	•5	29.7	30.2	3.1	.4 12.	2 1	5.6 430	
15-17	1 .3		27.3	27.6	2.6	10.	9 13	2.6 930	
18-50	1	•2	24.8	25.1	1.6	9.	1 1	0.4 930	
21-23	. د	.5	23.8	24 . 3	1.9	7.	0 •1	8.6 930	
TOTALS	.2	.6	26.7	27.3	3.0	.1 8.	3 .0 1	1.2 7446	

STATION NUMBER: 727675 STATION NAME: MINOT AFB NO

PERIOD OF RECORD: 78-87
MONTH: FEB

						HONIN: FEB			
 FOLPS (LST1	RAIN TSTMS &/OR DRIZZLL	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	% OBS HAIL WITH PRECIP	FOG	SMOKE E/OR BLOWIN PAZE SNOW		VISION	TOTAL
UD-02	1.1	1.1	23.2	24.6	7.7	3.	7	10.9	846
€3 - 05	. 4	٠٤	23.5	24.5	9.3	4.	. 3	13.5	846
U6-C8	.6	.7	26.1	27.2	10.4	4.	4	14.8	846
69-11	.4	.8	30.0	33.9	13.0	6.	4	19.3	846
12-14	. 4	.5	29.7	70 - 1	9.3	9.	2 .1	18.2	846
15-17	. 4	.8	28.1	26.8	7.3	.1 8.	5 .1	15.6	846
18-20	.7	1.3	20.4	22.2	7.1	.1 6.	3 •1	12.8	846
21-23 1	1.5	.7	23.0	25.2	7.2	3.	9	10.6	846
TOTALS 1	. 8	.6	25.5	20.7	8.9	•0 5•	a .C	14.5	6768

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONVITIONS FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PERIOD OF RECORD: 78-87 MONTH: MAR

							HONTE	. nan			
HOURS (LST)	RAIN 1 TSTMS E/OR 1 DRIZZLE 1	FRZING RAIN EZOR DRIZZLE	SNO# E/OR SLEET	HAIL	# 095 WITH PRECIP	FOG	SMUKE E/OR HAZE	BLOWING SNOW	DUST &/OR SAND	\$ 085 W/CBST TO VISION	TOTAL OBS
0a-02	4-1	1.9	17.2	• • • • • • • •	22.0	10.5	•••••	2.9	• • • • • •	13.4	930
i3-05	2.4	2 •6	18.3		22.0	11.6		2.5		14.1	930
J6-08	3.0	2.3	18.6		21.7	12.5	• 5	3.2		16.1	936
09-11	3.4	1 .4	18.8		21.2	12.9	. 3	4.4		17.5	930
12-14	3.9	.8	14.0		16.0	8.4	• 5	4.2	• 1	13.2	930
15-17	2.7	•5	11.9		14.0	5.7	. 3	4.6	.4	11.1	930
19-20	3.2	1 • 3	12.9		16.2	7.6	.5	2.9		10.6	930
21-23	1 3.0	1.2	14.3		18.2	9.1	• 2	3.2		12.4	930
TOTALS	3.4	1.5	15.8		18.9	9.8	. 3	3.5	.1	13.6	7440

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

PERIOD OF RECORD: 78-87 MONTH: APR

									.				
FOURS (LST)	I ISTMS	RAIN E/OR URIZZLL	FRZING RAIN E/OR DRIZZLE	SNOW E/OR Sleet	FAIL	2 OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	SNOM Promine	OUST E/OR SAND	* 085 W/CBST TO VISION	TOTAL OBS	
UG-02	1 .2	6.3	•1	6.3		11.7	4.1		1.2	.6	5.9	900	
C 3 - C 5	ı	4.0	-1	6.6		11.0	3.6		1.4		5.0	900	
3€-88	1	5.0		8.8		13.4	6.8		2.1		9 . 4	900	
C 7-11	1	4.5	•2	6.7		13.8	3.6	. 3	2.7	. 3	6.8	900	
12-14	I	5.7	•2	5.4		11.0	2.1	. 4	2.3	.8	5.7	900	
15-17	1	6 • 4		5.1	. 1	11.4	1.7	. 7	1.7	. 9	4.9	900	
18-23	1 .6	5.2	.3	4.6		9.8	2.6	• 1	1.9	1.2	5 . 8	900	
21-23	1 .2	5 • 4		5.1		y . 7	3.7		1.3	1.2	6 • 2	906	
TOTALS	1 .1	5.3		6.1	.0	11.1	3.5	.2	1.9		6.2	7200	

GLOHAL CLIMATCLOGY BRANCH CSAFETAC AIR WEATHER SERVICE/MAC

PEPCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM FOLRLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PERIOD OF RECORD: 78-87 MONTH: MAY

(£71) • Cnb2		RAIN E/OR ORI72LL	FRZING RAIN & JOR GRIZZLE	SNOW E/OR SLEET	FATL	¥ ûBS WIIH PRECIP	FOG	SHOKE SNOW	DUST E/OR SAND	* OBS W/(BST TO VISION	082 101 v r	•
30-02	.3	7.4	•2	1.3	•••••	6.7	3.9	• • • • • • • • • • • • • • • • • • • •	.3	4 • 2	930	•
63 - 05	1	5.6	•2	1.2		7.1	5 • 3	•1	. 3	5.7	930	
06-08	.3	8.5	.6	1.9		9.7	7.5	.6	.4	8.6	9 3 C	
5 9 - 11	i .1	7.6	•3	1 • 2		9.0	3.3	1.0	1.0	5.1	930	
12-14	1	8.3	•2	• 8		÷.1	3.0	•6	1.4	4.7	930	
15-17	1 1.2	8.3		1.5		9.4	2.8	• 6	1.4	4.6	930	
18-50	1 .5	8.7		.9		9.6	2 . 8	• 2	2.0	5.1	930	
21-23	١	9.5		• 8		10.2	3.0		. 9	3.9	936	
TOTALS	1 .4	ن ، ق	•2	1.2		9.1	ų • C	.4	1.0	5.2	7440	

STATION NUMBER: 727675 STATION NAME: MINOT AFB NO

PERIOD OF RECORD: 78-87 MONTH: JUN

FOURS (EST)	TSTMS	RAIN &/GR URIZZLE	FR 21 %G RAIN £ 70 P DP 1 22 LE	SNO. E/OR SLEET	PAIL	2 08S WITH PRECIP	FOG	SMOKE E/OR BLOWING PAZE SNOW	DUST &/OR SAND	% OBS W/GBST 10 VISION	TOTAL OBS
0. 0-0 .2	1 2.9	7.4			•••••	7.4	1.C		. 1	1.1	900
J 3-05	1.6	o . 3				0.3	2 • 6			2 • 6	900
_ 6-08	i .9	7.8				7.8	2.4			2.4	900
09-11	1 .4	7.4				7.2	3.0			3.0	900
12-14	. 7	7.0				7.6	1.8		•2	2.0	900
15-17	J 2.1	7.3				7.3	. 7		. 3	1.0	900
19-20	1 2.4	b • 6				6.6	1.2		.3	1.6	900
21-23	1 2.8	7.3				7.3	1.0		•1	1.1	900
TOTALS	1.8	7.4				7,4	1.7		•1	1.9	7200

ULGBAL CLIMATOLOGY HHANCH USAFETAC AIR WEATHER SERVICE/MAC

FERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONCITIONS FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PERIOD OF RECORD: 78-87 MONTH: JUL

HOURS ILST;	 TSTMS 	URIZZLE	FRZING RAIN EZOR DRIZZLE	SNOW E/OR SLEET	⊬AIL	& OBS WITH PRECIP	FOG	SMOKE E/OR BLOWING HAZE SNOW	DUST E/OR SAND	* OBS W/CBST TO VISION	TOTAL OBS	• • • •
ue-e2	3 • C	4.9				4.9	1.7	.2	• 1	2.0	930	• • • • • •
03-65	3,2	6.6				6.0	3 • C			3.0	930	
06-08	1.7	4.5				4.9	4 . 4	• 2		4.5	930	
39-11	.4	4 • 1				4 • 1	1 - 4	• 2		1.6	930	
12-14	1 .6	4.0				4.8	. 9			.9	930	
15-17	1 1 6	4.3				4.3	• 3			. 3	¥30	
18-23	3.1	٠. ټ				4.0	• 5			• 5	936	
21-23	2.6	4 . 3				4 • 3	. 4	• 2		• 6	930	
TOTALS	2.1	4.7		-		4.7	1.6	•1	•0	1.7	744C	

STATION NUMBER: 727675 STATION NAME: MINOT AFE ND

PERIOD OF RECORD: 78-87

								MONTH: AUG		
HOURS (LST)	I TSTMS	RAIN	FRZING RAIN E/OR ORIZZLE	SNOW &/OR SLEET	PAIL	t OBS WITH PRECIP	FOG	SMOKE C/OR BLOWING HAZE SNOW	DUST % OBS E/OR W/CBST SAND TO VISION	TOTAL OBS
კე-02	2.5	5	• • • • • • • •			5 • 1	1.4	• 3	1.7	936
23-25	1.4	5.6				5.6	3.0	. 3	3 . 3	930
26-88	1 .4	5 • 0				5 • 8	7.4	•5	0.8	930
69-11	1 .4	ذ • ٥				6.3	2.6	• 6	3.3	930
12-14	1.0	5.8				5.8	1.6	-8	2.4	936
15-17	1.4	4 • 6				4.8	1.0	• 5	1.5	930
18-20	1.7	4 . 7			• 1	4.7	1.2	• 3	1.5	927
21-23	1 1.6	3.0				3.8	1 • 2	• 6	1.6	927
TOTALS	1.3	5				5.2	2.4	•5	2.9	7434

GLODAL CLIMATOLOGY HRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCUPAENCE OF WEATHER CONVITIONS FROM FOUNCTY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PERIOD OF RECORD: 77-86
MONTH: SEP

HOURS (LST)	151#5	RAIN E/OR DRIZZEL	FRZING RAIN EZOF ORIZZLE	SNOW &/OR SLLET	+ A I F	% OBS WITH PRECIP	FOG	SMUKE EVOR BLOWING HAZE SNOW	DUST E/OR SAND	R OBS W/CBST TO VISION	082 082	••••
Jo-02		10.0	• • • • • • • • •	. 8	• • • • • • •	10.7	4.6		•••••	4.8	900	••••
53-05	. 8	10.3		.6		14.8	6 • 2	• 1		6.3	900	
L6-C8	. 6	9.3		1.5		14.2	9.4	.7		10.1	900	
ζ ⁹ -11	- 1	9.0		.6		9.6	6.4	• 6		6.9	900	
12-14	• 1	5.6		. 4		d • 9	4.3	. 4	• 1	4.9	900	
15-17	. 3	9.5		. 4		9.4	3 • 8	• 6		4.3	400	
18-20	. 4	8.4		.6		9.0	3.9		. 1	4.0	40C	
21-23	. 4	7+2		.4		7.7	4.0			4.0	906	
TOTALS	. 4	9.0		• 6		9.5	5.4	• 3	•0	5.7	7200	

STATION NUMBER: 727675 STATION NAME: MINOT AFB NO

PERIOD OF RECORD: 77-86

								MONTH:	: 001				
HOURS (LS1)	TSTMS	RAIN &/OR URIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	F06	SMOKE E/OR HAZE	BLOWING Snow	DUST E/OR SAND	\$ 085 W/CBST TO VISION	TOTAL OBS	•••••
UC-02		6.2	••••	3,4		9.4	4.2	- 1	• 6		4.9	¥30	
i:3-C5	1.	5.7	•2	4.0		8 • 8	5.2		• 6		5.8	930	
06-08	i	6.8	•2	3.9		10.1	8 • 2		. 9		9.0	930	
29-11	1 .2	5.9		4 . 3		9.8	7.1	. 3	•6		6 • C	930	
12-14	l .	1.2		4.1		11.1	5.4	.4	. 9	. 3	7.0	930	
15-17	i	6.9		3.û		9.6	2.4	. 8	. 6	. 4	4.1	930	
18-20	1 .1	7.4		2.3		9.0	3 • 1	• 3	1.0	•2	4.4	930	
21-23	1	5 • 5		2.9		7.8	3.0		. 8		3 • 8	930	
TOTALS	.1	6.4	.1	3.5		9.5	4.8	•2	. 8	.1	5.9	7440	

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

FERCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONLITIONS FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PERIOD OF RECORD: 77-86
MONTH: NOV

						MUNTE:	: NOV			
HOLFS (LST)	RAIN TSTMS L/OR DRIZZLE	FRZING RAIN 670R DRIZZLE	SNOW E/OR SLEET	% UBS HAIL ≡IIH PR€CIP	FOG	SWOKE E/OR FAZE	BLOBING Snow	DUST E/OR SAND	% 085 W/c851 10 VISION	0P2 101mr
L3-62	1.0	• • • • • • •	12.2	14.0	4.8	. 1	2.4	•••••	7.3	900
03-05	.1	1.0	14 + 1	15.7	5 • 6		2.0		7.6	908
6.6 - 08	1.49	1.6	16.9	19.9	7.2	. 1	2.7		1G.G	900
09-11	17	1.0	17.3	19.7	8 • 6		3.3		12.1	900
12-14	1 1 3		18.5	19 • 7	7.0		4.3		11.0	900
15-17	1.3	•9	14.2	16.0	5.9		3.2	• 1	9 • 2	906
14-20	1 2.0	•2	13.6	15.4	4.6		3.2	• 3	8 - 1	908
21-23	1.6	•1	14.8	16 - 1	4 • 7	. 1	3 - 1	- 1	8.0	900
TOTALS	1.5	.7	15.2	17.1	6.1	• 0	3.0	• 1	9.2	7200

STATION NUMBER: 727675 STATION NAME: MINOT AFE ND

PERIOD OF RECORD: 77-86
MONTH: DEC

FOLRS 1LST1	RAIN TSTMS 6/OR ORI <i>72</i> LE	FRZING RAIN 4/0 R DRIZZLE	SNOW E/OR SLEET	2 085 HAIL WITH PRECIP	FOG	SMOKE C/OR BLOWING PAZE SNOW	DUST E/OR SAND	\$ 085 W/C85T TO VI2ION	TCTAL OBS
00+05	1	1.6	23.7	24.6	5.5	5.3		10.6	630
07-05	1 .4	1 .2	27.0	2b • 3	5.9	5.7		11.6	930
26-08	1 .4	1.3	26.8	27.8	6.8	5.6		12.4	936
09-11	٤. ا	1.6	22.2	25.7	7.5	8.1		15.5	930
12-14	1 .6	1.5	20.3	21.9	6 • 6	9.4	.8	16.2	930
15-17	.9	.6	16.9	17.8	6.6	7.8	• 5	14.5	930
18-20	1	.9	17.4	10.6	6.1	4.2	.1	10.1	930
21-23	1 • 1	.8	19.1	20.0	6.3	4.4		10.1	930
TOTALS	۱	1.1	21.7	22.8	6 . 4	6.3	.2	12.6	7440

GLOBAL CLIMATGLOGY SHANCH USAFETAC

PERCENTACE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

AIR MEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PERIOD OF RECORD: 77-87 MONTH: ALL

NOW 3 OBS /OR HAIL WITH .ET PRECIP DUST \$ 085 E/OR W/CBST TOTAL RAIN FRZING ISIMS E/OR RAIN SMOKE E/OR BLOWING SNO# E/OR DUST E/OR FOG DHIZZLL 16511] £ /0 H SLEET SNOW SAND 10 Unice Lc ... VISION 7440 JAN ALL 27.3 3.0 8.3 11.2 26.7 - 1 • 0 FER 25.5 8.5 1 .8 20.7 . 0 5.6 . 0 14.5 67£8 MAL i 3.4 15.6 18.9 9.8 . 3 3.5 1.5 . 1 13.0 7446 APR 5.3 .1 6.1 11.1 3.5 . 2 1.9 6.2 . 1 • 0 . 6 7200 . 4 1.2 MAY ٠. ن • 2 v . 1 4.0 1 . C 5.2 7440 JUN 7.4 7.4 1.7 . 1 1.9 7200 J. 1 4.7 4.7 1.6 . 1 .0 1.7 AUG • 0 5.2 2.4 . 5 2.4 7434 9.0 7.5 . 3 .0 5.7 7200 . 1 6.4 3.5 9.5 4 . F . 2 5.9 744C 001 .1 . 8 . 1 NCV 1.5 . 7 15.2 17.1 6.1 . 0 3.0 . 1 9.2 72CU ī . 4 21.7 6.4 6.3 7440 DEC 1.1 22.8 . 2 12.6 9.7 2.5 TOTALS ! 4.4 .4 14 . 1 4.8 . 2 7.6 87642 . 5 • J . 2

GLOGAL CLIMATOLOGY HRANCH USAFETAC ATR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PERIOD OF RECURD: 59-87 MONTH: ALL

% OBS WITH PRECIP DUST % OBS SMOKE RAIN TSIMS E/UR FRZING SNO. RAII. FAIL FOG E/OR BLOWING E/OR W/CBST TOTAL PONTH | DRIZZEL SLEET HAZE SNOW SAND 10 085 VISION DRIZZLE b.c 0.6 42.3 67.3 28.9 868 JAN 65.1 18.5 1.4 .6 FLE 15.5 7.1 £5.9 27.1 2.0 22.5 791 1 62.3 . 1 44.9 MAF 5 .(. 47.2 54.4 25.0 4.1 13.8 36.4 . 1 666 16.5 . 4 40.9 21.3 1.1 640 APP 2.9 34.0 î., 23.6 4.) . 7 .4.6 MAY 17.6 46.4 ٠.5 5.1 1.7 44.4 16.4 1.4 . 2 17.2 868 13.9 . 5 JUN 25.2 55.2 1.1 55 • 2 • 1 14.5 640 1.0 46.2 10.4 10.8 JUL 26,7 1.0 868 20.2 13.7 ، ۱۵ 1.7 42.6 12.4 2.2 868 SEP 7.8 41.9 43.2 17.8 1 - 1 . 1 18.4 810 00 1 1.2 20.1 . 7 12.9 15.4 16.5 1.4 2.3 17.5 868 20.6 2.3 • 2 640 . 1 5.2 41.1 15.0 NOV 21.3 1.0 20.2 . 1 37.6 867 11.1 59.1 62.6 DEC 1 7 .6 29.9 25.4 10196 2.5 51.5 16.5 1.6 b.3 . 1 TOTALS | 7.b 26.6 . 5

B - 1 - 1

PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

PERCENTAGE FREQUENCY OF VARIOUS MALLY ANOTHERS OF PRECIPITATION (SNOWFALL AND SHOW DEFTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA 15 SUMMARIZED MONTHLY AND ANNEALLY ATTH ALL YEARS COMPINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE ARGUNTS, A PERCENT OF DAYS WITH NO ARGUNTS, TRACES, GIVEN ARGUNTS, MEANS, GREATEST ARGUNTS AND LEAST ARGUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUGTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE DESERVA IN COUNTS.

A VALUE OF "..." IN THE'E TABLES INVICATES LESS THAN +35% BHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

EXTREME DATEY AMOUNTS OF FRECIPITATION (SNOwfall AND SNOW DEPTH) SUMMANIES

DATA DERIVED FROM SUMMARY OF DAY DATA

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION. SNUWFALL AND SNOW DEPTH BY INDIVIDUAL MORTH AND YEAR.

ZESO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATIONS COENTS.

AN ASTERISK MOM PHINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH-BERIVES FROM AN INCOMPLETE MONTH CAT LEAST ONE DAY OF THE MONTH IS MISSING.

WHEN A MONTH HAS VALLE OBSERVATIONS REPORTED BUT NO OCCUPRENCES, ZEROS ARE DISPLAYED IN THE TARLES:

EXTREME DAILY PRECIPITATION:

"...." EGLALS NONE FOR THE MONTH CHENDRECITIES!

LXTREME GAILY SNOWFALLS

".CH EQUALS NUMBER FOR THE MONTH ITENTHS I

EXTREME BAILY SNOW DEPTH:

"3" EWUALS NONE FOR THE MONTH (WHOLE INCHES)

TOTAL MONTHLY AMOUNTS OF PRICIPITATION AND INDUFALL SUMMARLIS

DATA DERIVED FROM SEMMARY OF DAY DATA.

MATA PPESE TEU BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANLARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTRAISK """ IN THE TABLES INDICATES THAT ONE OR MORE DATS WERE MISSING FOR THE MONTH.

NO OCCUMPRENCES FOR THE MONTH ARE SHUTCATED BY JEHOS.

IF THE AMOUNT IS A THACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MERSUM: MENTS FROM INCOMPLETE MONTHS.

GLOGAL CLIMATCLOGY HEANCH USAFETAC AIR _EATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCUPHENCE OF PRECIPITATION FROM SUMMARY OF GAY DATA

FROM SUMMARY OF GAY DATA

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PERIOD OF RECORD: 59-87

									MOUNT	IN IN	HES							
M GN TF	I I I NONE	I I TRACL	ı	1 101	101	Ti	10	10	1 10	13	5.01 10 10.03	10 1		\$ DAYS WITH CAAH ZTMA	OB 5 1		GPLATES	
JAN	1 32.6	1 42.2	† } 5.5	1 10.11	4.61	3.8	 •6	1 .1	! !	 		1			8681	•55	1.42	 Je
ILP	1 33.6	 41.2	 5.9	 11.4	3.0	4.3	.5) 		!!!	1		l 25.2 l	791	. 4 3	1.07	. 05
MA Q	1 45.4	1 30.6	 4.8	9.3	3.81	4.6	1.3		.1		1	1		24.0	86±1	•63	2.64	.05
APH	52.0	14.6	4.2	6.01	6.0	3.7	3.9	3 - 3	.,			! !		7.7	8431	1.87	8.47	٠٥.
∀ ∆ ₽	5,.6	1 19,4	3.6	7.6	4-1	5.2	4.4	3.6	1,2			ļ		29.6	868	27	5.16	TRACE
JU N	44.6	19.9	2.7	7. 9	4.9	8.6	6.6	2.7	1.5	•6		į		1 35.0	840	3.04	6.63	. 4 3
Jul	53.0	18.4	3.2	6.3	4.*	5.4	4 - 3	3.2	1.0			i		27.6	868	12	4.26	.09
"Uf.	1 57.4	15.8	3.g	7	3.6	6.8	2.5	2.0	2.0			į		26.8	868	04	4.97	.10
A P	50.5	17.2	2.7	6.3	3.8	5.43	4.2	2.6	1.0	.1	, , t	i		26.3	810	1.00	7.0€	.06
UC T	1 64.3	19.1	2.5	5.4	2.5	3.0	2.8	1.5	. 3	•1		į		17.6	868	1.15	4.94	TRACE
eu ¥	1 50.5	24.1	. 4.0	1 6.7	1.01	2.9	1.0	. 4			,	i		20.2	8401	.58	1.92	* 6.7
ur c	1 16.5	41.2 	5.3 	j 4. 7 j	4. 1	5.1		• 3	!			i I		23.3	868	+51	1.51	. 14
41N	1 45	1 26.0	1 4.3	1 7.4	4.11	4.7		1.6		.1		•••••	• • • • • • •	25.7 1	101971	17.14	• • • • • • •	• • • • • •

GLOBAL CLIMATCLOGY ARANCH USAFETAC AIR WFATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION (FROM DAILY OBSERVATIONS)

STATION NUMBER: 727675 STATION NAME: MINOT AFS NU

PERIOD OF RECORD: 59-87

					21	HOUR AM							
VEAR	JAN	FES	MAR	AP F	PAY	-M-0+ JL N	N-1-+-5-	AUG	SEP	061	NOV	t E C	ALL MONTHS
¥6.4-4 1				HF "			50.0				NOV		
59 I		• • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • • • •					.68	•66	-10	• • • • • • • • •
60 1	. 43	• 00	• • •	.31	1	.53	ا د .	1.15	• 0 3	TRACE	.17	. 25	1.15
61 [. 16	. 36	• 0.3	.76	. 4 9	• 4 C	.33	-10	.71	• 35	.04	• 1 3	.76
62 1	• 30	- 14	-17	.14	1.76	1	1.64	1.03	. 24	.76	.13	-57	1.76
63	• g5	• 39	6 ب ہ	•7 t	1.28	1.57	7 د.	.20	.10	.23	.24	. 24	1.57
64 1	. 10	. dC	.37	.£ 4	1.41	1.67	. + 3	1.51	.96	• 42	. 49	. 36	1.87
ε _n Ι	. 11	• 04	• 1 3	.44	.91	1.38	1.55	.32	1.07	TRACE	-11	.46	1.85
10 1	.20	- 14	• 2	.4	1.23	.63	1.03	1.23	.15	.47	-18	.21	1,63
67 1	. 45	. 1"	.1.	1.65	.64	.75	4	. 36	. 30	.49	.15	.73	1.65
65 1	. 25	• .59	-12	.5 -	. 8 6	.77	.5 €	1.60	.67	.45	• 3 C	.21	1.60
69	• 22	. 24	• i l	.3 '	. 4 4	1.92	.93	•50	.54	.48	.12	.51	1.92
76 1	. 42	.2.	.23	< .11	. 79	1.37	2.37	.19	- 41	.2t	. 4 7	• 20	2.37
71	. 31	. 1.	.45	.7 ^	.45	.60	1.24	.18	4.46	1.44	.08	• ú B	4,46
72	. 1.2	. 24	5	.1	.63	. 42	1.45	1.11	. 39	.27	-18	.12	1.11
73	• 37	• 09	.15	.4	. 36	3.28	11	1.47	. 79	. 74	•21	.12	3.20
74	. 10	• 27	.16	.63	1.47	. 39	.63	1.24	.26	. 34	. 11	• 21	1.47
75	6	• Je	.33	1.75	• 0 5	2.57	. 67	.43	1.71	.98	.19	.22	2.57
70 1		• 1 2	. 1 5	.97	.22	.63	.23	1.16	•07	.22	10.	•) 6	1.16
11 1	. 14	1		.04	.89	1.15	5 د ٠	. 6 4	1.66	. 31	.29	.55	1.15
7 b	. 34	• ***	. 6 4	-11	1.71	1.45	1.27	.79	1.66	. 37	.23	.19	1.71
79 1	. 35	.19	.15	.6 4	. 3 P	.31	.42	1.31	. 64	.20	.03	.21	1.31
ė. 1	. 18	. 17	. 2 C	.4 (TRACE	• 6 5	.47	1.58	1.78	.65	• 3.3	- 1 1	1.78
-1 i	. 35	ે હ	.17	.41	• 4 6	2.65	.55	.45	.27	. 35	.39	.39	2.65
5. 1	. 1	. 23	.22	.(4	1.03	1.77	.12	1.36	1.75	1.05	•04	. 4 4	1.77
e 3	. 25	• 21	. 4 7		. 47	2.19	.03	.47	92	.17	. 4 9	. 35	2.19
F4 1	1.50	•11	.15	1.14	-10	1.02	•51	.15	. 47	2.53	.46	.21	2.53
es 1	- 31	.17	1.73	•5 €	1.19	. 68	.49	2.45	.62	. 85	.57	.16	2.45
ا ب	. 17	• 14		49.6	. 91	•28	•d 7	.30	. 97	. 23	.95	.06	.96
97 i	. 12		• > C	.64	5.0	.27	2.24	1.35					
		• • • • • • •											
"LAN !	- 120	• 1 55	.253	. 615	. #31	1.172	. PB 2	. 444	. 647	. 21	.269	. 3 9	1.878
1.005	• 193 568	•10 791	. 516 H6B	52 f	.469 868	.PCO H4G	.576 968	.582 868	.685 810	• 6 2 3 • 6 8	.223 840	•167 168	.781 10197

NOTE . EBATED ON LESS THAN FULL MONTHS !

GEUPAL CEIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION (FROM DAILY OBSERVATIONS)

STATION NUMBER: 727675 STATION NAME: MINGT AFS NO

PERIOD OF RECORD: 59-87

ł					ID TAL M		- N- T-H-S	•					ALL
YEAP !	JAN	FfE	MAR	4P 4	MAY	JUN	JUL	₽UG	5 E P	0(1	NO V	LLC	MONTHS
59 1	******	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •	•••••	• • • • • • • •	2.19	1.97	.31	• • • • • • • •
أثاة	- 63	. 35	.49	. 5 3	2.46	1.59	.61	3.00	. 06	TRACE	.43	.54	10.79
61	• 20		.13	1.86	1.36	.43	.84	.16	3.47	•04	• 64	.38	9.76
62	. 70	4.5	.65	.31	5.16	3.4	3.66	3.10	. 24	1.21	. 4 3	. 36	16.8
63 1	. 19	. 44	•17	2.43	3.21	6.66	3.16	1.20	.71	.25	-25	.35	15.3
64	• 23	• 17	.92	1.81	2.06	6.21	1.95	2.44	1.50	.03	1.5A	.65	21.29
65	.53	• 37 • 38	.47	1.01	3.79	2.89	4.05	.86	4.51	TRACE	.37	.88	19.44
66	. 39	. 16		1.44	2.10	1.63	2.94	2.73	45	.62	-57	.36	13.5
67	1.19	. 55	.26	3.74	73	.95	.39	.58	.17	1.56	• 37	1.24	12.09
66	1.13	.23	.33	1.4 !	2.52	2.25	2 - 35	4.97	1.68	. 93	1.04	.53	19.30
69 1	1.13	1.07	. 3 6	.99	1.48	4.64	2.62	•59	.69	1.62	.19	1.31	16.09
73 1	1.42	. 73	. 86	8.47	2.89	2.62	3.03	.26	1.61		.61	. 38	24 et
71	. 8 -	. 14	1.58	1.9	.91	3.93	2.72	.34	7.66	3.42	.22	.20	3.0
72 1	. 4 3	1.77	.96	.3 €	2.6#	2.86	2.73	3.95	2.01	. 47	- 36	. 34	15.1
73	• 12	-17	.20	1.32	1.01	5.63	2.16	2.70	2.33	1.35	.54	.50	21.1
74 1	. 41	45	. 4 4	2.62	4.37	.57	1.37	3.52	• 43	.46	.01	4 5	14.7
75	• 30	.23	1.04	5,14	2.65	4.64	2.97	1.50	3.18	1.46	.61	.69	24.9
7 to 1	.23	. 51	• ti 2	3 .4 5	.29	3.48	.55	4.02	. 14	. 25	.02	6	13.6
17 1	. 35	.10	• 0 5	•8.9	2.95	3.33	1.23	1.66	4.03	. 5 6	.57	1.15	16.1
78 1	. 39	• Se	7	.5 9	4.21	2.54	2.15	1.39	2.76	. 46	. 5 .	. 34	15.9
79]	6	. 55	• 6 2	2.01	1.70	.61	1.35	2.12	. b A	• 4 0	•10	. 2 9	10.3
ا د٠	.61	.63	اع ٠	.6 :	TRACE	1.67	1.56	4 . 6 3	3.85	1.53	.69	.28	16.7
P 1	. 55	.11	8	.63	.72	5.23	1.53	1.51	.69	. 84	•56	.25	12.7
P2 1	- 63	. 48	• 6 3	.1 %	3.89	3.74	1.79	1.37	2.71	4.10	. 1 3	.67	20.3
63	. 5 3		1.21	.1 ~	1.62	3.35	2.74	.93	2 . 6 3	• 30	.66	•50	14.9
64 1	1 . 74	. 24	.53	4.30	.14	3.11	1.02	.43	1.42	4.94	.68	.56	19.0
F5	. 47	• 13	2.09	1.24	3.44	2.30	•68	3.93	1.91	1.92	1.20	.29	20.2
١ ١	• 5F.	. 46	•52	3.2 !	1.92	1.11	3.31	1.06	1.90	. 8 3	1.45	4	16.2
37	• 37	• 71	1.53	٠٥،	2.04	1.18	4.28	5.08					
MEAN 1	, 49	4 5	.630	1.57.	2,274	3.^39	2.115	2.043	2.000	1.154	•5 8 3	.512	17.12
5.0. 1	• ₹ <i>₫₽</i>	295	.509	1.572	1.374	1.918	1 - 144	1.430	1.622	1.240	.479	.328	4.15

NOTE . BASEU ON LESS THAN FULL HONTHS?

GLOBAL CLIMATGLOGY FR 5NCH GSAFETAC AIR "EATHER SERVICE/MAC

FERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL FROM SUMMARY OF DAY DATA

STATION NUMBER: 727675 STATION NAME: MINOT AFR NU PERIOD OF RECORD: 59-67

• • • • • • • • • • • • • • • • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • •	• • • •	• • • • •	• • • • •	••••		IN IN		• • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •
	1		11	1 3.51	1.51	5 1	3 • 5 1					25.5	OVER	1 T DAYS	TOTAL	PONT	HLY AMO	UNTS
	i i	i	l to	1 tol	TO!	10	l to l	10	10	10	10	TO	l	1 WITH (
MUNTH	I NON:	TRACE	1 3.4	1 1.4	2.4	ا 4•د ا	4.4	5 . 4	1 10.4	15.4	25.4	50.4	50.4	MEAS AMTS		MEAN	GREATE	ST LEAST
						· • • • • •	· • • • •		• • • • • •			• • • • • •				******		
JA %	 35.1	 39.9	111.3	1 9l	2.1	 	 •7	. 3	!	i i	ŀ	 	i i	 25.0	868	7.2	16.2	1.0
164	1 27.3	 37.4	1	1 0.1	3.91	• e i) 	. 3	; !) -) !] 		25.3	791	5.8	15.7	.7
नद व	1 52.6 	 20.41	1 [13.4	6.5	2.1	.81		• 2	.1	! !	.1			20.5	868	t • 1	19.4	TRACE
² Þ₽	76.1	14.2	3.2	2.5 	1.8	. 7		• 5	.5	!	i	1	 	9.8	8401	• • 2	43.0	• 2
:4 4 Y	95.c	3.1	1.5	i .si	. 2	•1			i 	i I	i i	i I		1 1.8	868	• 5	4.3	• 0
Ju N	1100.0	l I	1			i i			i I		 	! 	! !	1 1 1 1	6401		•C	• 3
JUL	130.0	1	<i>[</i>	1 1			; ; !) [)] 	! !	 	! !	868	• 2	٥.	•0
Au 5	1130.0	i	ļ	! !					!	!	ļ		l ·	1	868	• 0	•5	• 0
SEP	 96.9 	2.6		.2	. 1	•1			i !	[, 	.5	8101	• 5	3.2	• 7
JC T	1 96.9	8.1	1 1.6	1.5	-5	• 3	• 2 1	• 1	1	!		i	i I	4.6	868	2.4	16.6	• 0
.40 ¥	50.3 . 	24.6	1 6.1	i 4.5i	2 , n	•6	i •• i	1.3	.1	! !	i	 	i I	17.3	8401	ۥ5	23.0	TRACE
nt C	40.3	35.9	112.7	1 6.1	2.3	1.3	.8	. 3	i •2	l 1	i I		l I	23.7	8681	7.0	17.3	1.4
ANN	73.2	16.1	۱.۵.۱	1 3.21	1.2	.51	.21	. 2	1 .1		0.0		i	1 13.7	101971	46.6	•••••	*******

1

GLOFAL CLIMATOLOGY BRANCH USAFLTAC AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALE OFFICM DIAILY OBSERVATIONS)

STATION NUMBER: 727675 STATION NAME: MINGLAFS NO

PERIOD OF RECORD: 59+87

1					24	MA RUOH : -0-M-	N-T-H-S-						ALL
YEAR I	JAN	FEB	MAF	Ap 4	MAY	JL N	JUL	≜UG	5 £ P	061	NOV	[E C	MONTHS
59	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •		*******	•••••	• • • • • • •	• • • • • • • •	7.5	5.0	1.0	• • • • • • • • • • •
6.1	t. • 1	. 3	2.0	• 5	TRACE	• C	٠. ٥	• 0	•0	TRACE	1.7	i.6	6.1
6: 1	: .6	3.2	. 4	3. 3	TRACE	• C	۰۲	• C	TRACE	TRACE	TRACE	1.7	3 • 2
62 I	3.5	1.6	1.1	• 2	THACE	• 0	• ü	.0	•0	. 1	1.1	2.5	3.5
63 1	.7	1.4	. 6	2. 0	1.4	• 0	• C	٥	• 0	٦.	1.9		2.0
64 1	2 • 2	3	3.7	1.7	• 0	. 3	• 3	• 0	TRACE	• 2	4.9	4.3	4.9
65 1	1.1	.4	1.3	• •	• 1	• 0	٠.٥	٠.۵	1.6	• 5	1.3	3.5	3.5
t 6	2.7	1.7	. 4	4.0	. 5	. 5	• 3	• 0	• 0	1.4	2.3	1.7	4.0
67	r 2	2.3	1.6	3. "	. 3	. 5	. 5	• 0	.0	. 5	1.6	5.6	9.6
68	4.9	• c	1.4	6.4	1.5	• 7	• 2	• 0	. ü	TRACE	3. 2	1	6.4
69 1	1.7	2 • 4	1.1	TRACL	TRACE	• :	• 3	• C	• 0	. t	1.3	3.1	5.1
72 1	4.2	3.9	3.5	н. с	TRACE	• 3		• 0	• 0	TRACE	4.7	1.0	6.3
71	7 .6	1.5	4.7	1.5	TRACE	• 3	• 3	• 0	TRALE	3.3	. 8	. 6	4.7
72	1.2	2.4	2.5	. 9	• • •	•0	ž	, 0	3.2	2 • 2	3.9	0	3.4
73	1.7	1.5	1.7	2.0	. 3	• 0	. 0	• C	r	1.3	4.0	6	4.3
74	2.7	2.1	2.4	1.4	3.3	• 5	• 0	• C	• 2	. 3	• 2	7.4	7.4
75 İ	1.5	1.5	7.7	5.1		. 0	• 0	• 0	.0	. 1	5 . 7	5.2	7.7
76 1	1.5	2.2	4.1	TRACE	THACL	• 0	.5	Ď	• 6	• 3	. 4	1.2	4.1
77	4.5	•8	. 2	• 3	• 3	• 3	• •	• 0	.0	TRACÉ	3.2	3.0	4.0
70 1		.4	1.1	4 . 3	• 3	• 0	• 0	• 0	• n	• 0	6.4	4.4	6.4
79	1.3	5.4	2.7	3.7	2 • 1	• 0	• 0	.č	• 0	TRACE	. 7	2.2	5.4
ni 1	7.0	5.6	2.8	. '	.r	. 0	• 0	• 0	• 0	1.5	2.2	1.2	6.3
£ 1	3.7	• 4	TRACE	• 0	TRACE	• 5	• 0	• 0	• 0	TRACE	4 • 6	1.7	4.6
è 2	5.7	2 • 5	2.2	TRACE	• ?	• 0	• 0	• 0	• 0	1.0	. 8	1.9	5.7
0.3	2.5		1.2	• 8	. 3	• 5	• 5	• 0	TRACE	TRACE	. 8	3.5	3.5
64 I	1.5	1.5	1.9	9. C	TRACE	•5	• 0	• 0	1.0	4.0	. 9	3.5	9.5
a5 1	7.1	1.7	16.5	TRACL	• 0	. 5	• 3	•0	TRACE	6.5	5.9	1.6	16.5
8 L	1.7	1	?.3	2.0	• 0	• 0	•0	• C	• 0	. 3	10.1	• 6	10.1
£7	3.0	2.0	4.7	. 1	. 0	•0	. 3	•0	• •	• -		• • •	
MEAN I	2.66	1.95	2.76	2.30	. 36	.00	.00	.00	.21	1.34	2.83	2.97	5.93
SaPa I	1.495	1.265	3.175	2.531	.813	• 010	• 500	•000	.695	2.247	2.404	2.(13	2.916
AL OPS I	+ 64	791	866	84 1	868	640	- 30 S	868	#10	868	840	668	10197

NOTE . (BASED ON LESS THAN FULL MONTHS)

GLODAL CLIMATCLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL (FROM DAILY OBSERVATIONS)

STATION NUMBER: 727675 STATION NAME: MINOT AFB NU

PEPIOD OF RECORD: 59-87

					IOIAL	MONTHLY	JA 4₩0 M 2 - S - H - T -M		CHES				ALL
YEAR	JAN	FER	MAR	Ap F	MAY	JUN	JUL	AUG	SEP	001	NOV	LEC	MON TH
59	• • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •	•••••	•••••	• • • • • • •	• • • • • • • •	16.0	20.0	· · · · · · · · · · · · · · · · · · ·	••••••
65 1	11.0	• 7	5.3	. 9	TRACE	. 0	• 3	•0	• C	TRACE	4 . 4	6.4	28.
61 1	1.7	8.2	. 5	3.6	TRACE	• 0	• 0	• C	TRACE	TRACE	TRACE	4.8	19.
62	7.2	4.9	2.6	• 2	TRACE	• 3	• 0	. 0	• 0	. 1	2.2	5.3	22.
63 1	1.1	5.2	1.3	3. 7	1.4	• 3	• 0	• 0	• 0	•0	1.9	3.9	18.
64 1	4.3	10.2	9.1	2.7	.0	• 3	• 0	• 0	TRACE	• 2	15.6	11.6	53.
65 1	5.1	.8	4.6	1.1	. 1	• 0	• 0	• 0	2.3	• 0	3.6	6.4	23.
66	5.3	1.9	. 6	10. č	. 5	• 0	• C	• C	• 0	1.4	7.0	٠.9	33.
67	14.8	8.7	5.3	9.3	. 3	• 0	• 0	•0	• 0	• 5	3.4	17.3	59.
68	1	3 • 3	2.7	7. €	2.5	• C	• 3	• 0	• 0	TRACE	8.7	7.0	46.
69	12.3	11.6	3.4	TRACE	TRACE	• 5	• 0	• 3	• 0	1.0	1.8	13.8	43.
76	14.5	7.5	11.7	43.8	TRACE	. 5	• ä	• 0	• 0	TRACE	6.1	4.3	67.
71 1	e • 5	1.9	7.1	1.9	TRACE	• 0	• 0	• C	TRACE	7.8	1.9	i • n	27.
72 1	4.2	11.3	7.9	1.7	• C	Š	• 0	• C	7.2	3.5	6.8	4.3	42.
73	1.0	3.5	2.1	3.5	• 0	• 0	• G	• 0	. 0	1.3	7.9	13.9	33.
74	10.4	13.6	6.5	2. €	4.3	• 0	• 0	• 0	• 7	. 4	. 3	13.6	51.
75	7.4	7.3	19.4	5 .ن 1	.0	• 0	• č	• 0	• C	h • 7	15.1	12.8	81.
76 1	5.5	6.0	13.8	TRACE	TRACE	. 1	• ၁	• 0	• 0	- 4	1.3	5.7	33.
77	8.2	2.6	. 4	. 3	.0	•0	• 3	• 0	• D	TRACE	7 • 2	13.0	31.
76	1.9	1.4	2.7	2.6	• a	• 3	• 0	•0	• 0	• 5	12.6	٤.1	29.
79	1.6	15.7	10.4	9.7	3.3	• 0	• 0	• C	• 0	TRACE	2.5	4.6	47.
85 [12.0	9.3	4.2	6. 3	۰۵	.0	• 3	• C	. 0	4.2	3.2	E . 8	46.
81	7.9	1.3	TRACE	• 0	TRACE	• 0	• C	• C	• G	TRACE	6.3	4.3	19.
82 J	15.2	6 •í.	8.4	TR AC L	• 2	.0	. 3	• 0	• 0	1.3	1.3	3.4	38.
હ કુ	5.2	1.7	3.2	• 6	. 5	• 3	• 0	.0	TRACE	TRACE	1.5	٤.0	18.
94	2.4	3	5 • 5	10.5	TRACE	• 0	• 3	• 0	1.0	8.7	2.3	7.0	46.
85	4.0	3.0	18.3	TRACE	• 0	• 0	• 0	• 0	TRACE	16.0	12.0	3 • 1	56.
6 L	7.6	4.6	3.5	3. C	• 0	• 0	• 0	• 0	• 0	• 3	17.4	1.4	33.
87	5.4	6.7	9.7	• 1	• 0	• 3	2.	• 0					
MEAN 1	• • • • • • • • • • •		• • • • • • • •	• • • • • • • • • • • • • • • • • • • •		•••••	•••••	•••••	••••••	• • • • • • •		•••••	39.8
5.0. 1	7.17 4.773	5.81	6.49	5.16	.47	.60	-36 000	•00	.24 .759	2.42 4.516	6.23 5.580	7.01 4.330	17.77
L 085	569	4.082 791	5.068 868	6.71P 647	1.393 868	.000 840	• 05 C 86 8	000 868	810	868	840	168	1019

NOTE . * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICL/MAC

1 65.0 1 7.2 | 6.3 | 4.6 | 3.5 | 6.2 | 5.3 | 1.8 |

ANN

FERCENTAGE FREQUENCY OF DECEMBENCE OF SNOW DEPTH FROM SUMMARY OF DAY DATA

STATICH NUMBER: 727675 STATION NAME: MINOT AFB NU PERIOD OF FECURU: 59-87 AMOUNTS IN INCHES 1 25 | 37 | 49 1 10 | 10 | 10 4 | 7 | 13 10 | 10 | 10 6 | 12 | 24 13 10 61 | OyER WITH I I NONE TRACE! 1 1 2 1 3 36 MEAS I 120 | 120 6.0 HONTH MEAN GREATEST LEAS 1.7 | 12.1|14.1 | 11.9|13.1| 22.0|21.4| 86.2 868 6 - 7 | JAN 16.2 | 13.4 | 12.5 | 8.6 | 17.6 | 19.0 | 791 HEB 6 . 4 | 77.5 50.9 32.7 868 APP 76.9 9.91 3.5 1 1.91 1.21 13.2 1 840 Y AP 97.8 8681 840 1100.0 JUN 868 1130.0 JLL 868 AU G 1150.0 8101 5E P 1 49.0 .2 1 .71 .2 1 868 JC T 4.7 1.0 3,6 •.0 ¥ 58.6 | 12.5 | 8.3 | 7.1 | 2.9 5.8 3.7 29.5 8401 8681 UE C

27.8 | 101971

GLOBAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SEKVICE/MAC

EXTREME VALUES OF SNOW DEPTH IFRUM DAILY CESERVATIONS!

STATION NUMBER: 727675 STATION NAME: MINUT AF3 ND

PEPIOD OF RECORD: 59-87

ALL						N-T-H-S-	600 € ¥11	•					1
MONTHS	0.33	NOV	OCT	SEP	¥UG	JUL	JUN	MAY	AP II	MAR	FEB	MAL	YEAR !
••••••	3	R	10			• • • • • • • • •	• • • • • • •		• • • • • • • •	• • • • • • •	•••••	• • • • • • • •	55
1 1	4	3	Ð	C	٥	ũ	٥	C	2	4	3	11	65 1
ê	4	TRACE	0	o	0	9	э	o o		2	4	5	61 I
6	4	1	С	0	C	U	a	٥	TRACL	7	ક	7	62
4	3	2	Ε	0	С	a	С	Ω	4	2	3	4	63 1
19	15	10	C	٥	٥	0	Э	ິ່ງ		7	4	2	64 1
15	4	1	D	1	0	0	Ō	0	2	3	14	15	65
ŧ	4	3	ľ	כ	C	С	Ð	4	م	1	٤	7	66
14	14	2	С	3	C	a	3	2	5	7	12	13	67
2.1	6	4	0	C	ō	ŏ	0	0	7	1	6	21	66
2 1	11	1	TRACE	c	0	ú	3	0	2	21	21	13	69 1
2 (4	4	TRACE	0	0	n	ē	۵	2 5	6	9	13	73 1
ŕ	2	2	3	0	O	ā	0	THACE	1	5	6	8	71
	5	4	3	1	c	Ċ	G	а	1	9	7	2	72
	6	4	1	0	٥	ã	О	ú	1	ż	3	3	73
1:	11	TRACE	TRACE	0	C	ō	0	c	3	4	10	9	74
10	11	13	3	0	Ö	ö	0	3	1 6	16	4	7	75 1
10	4	TRACE	TRACE	ŏ	С	n	0	ū		10	€.	10	76 i
1	14	7	Ğ	0	0	จ	3	3	TRACE		š	•,	77
1.	11	8	٥	0	Ō	o o	5	0	2	4	7	10	70
1	2	2	0	0	D	٥	ū	2	7	13	17	11	79
	4	2	3	c	C	ā	0	č	Ė,	4	6	à	80 I
	3	4	TRACE	0	۵	a	a	ō	Ē	r.	4	4	81 1
1	2	TRACE	TRACE	c	ō	Ō	ä	D	TRACL	Ğ	18	18	62 I
	5	1	Ō	o	D	š	ε	TRACE	1	2	2	3	63 I
1	3	3	3	TRACE	S	ā	C	7	1 દ	4	5	5	84
1	12	12	11	TRACE	č	ă	Ö	á	7	17	3	ű	85 1
1 (1	16	TRACE	0	Ċ	ä	č	5	i	- ;	4	,	86
-	_	• •		Ü	ő	Ö	ō	ñ	TRACE	÷	6		87 1
						• • • • • • • •	• • • • • • • •			· • • • • • • •	• • • • • • •		71
12.	€.1	4.2	1.3	. 1	• 0	• C	. 3	• 5	4.2	6.1	7.3	8.2	LAN !
5 • 28	4.249	4.252	2.642	.267	.000	• ถมต	.000	1.551	5 . 25 2	5.204	5 • 0 25	4.902	1 • a• ¿
1019	£68	840	868	810	868	86.8	84C	868	84.	868	791	₽ 68	085 1

NOTE + (BASED ON LESS THAN FULL MONTHS)

PPPPPI	PP	AAA	AAA	R R R R R R	RRR		ccc	
PFPPPF	PPP	AAAA	AAAA	R RR7 R	RRRR	11111111	cccc	CCCC
P P	PP	AA	AA	RR	RR	ŢŢ	CC	CC
PP	PP	AA	AA	RR	RR	† †	CC	
FEFFF	PPP	A A	AA	8 884 8	RRRR	7 7	CC	
PPPPPP	PP	AAAAA		RRRRR	RRR	ΤŢ	CC	
PP				e a	H R	ŢŢ	CC	
F-P		A A	AA	RH	RR	1 T	CC	CC
44		ДΑ	AA	R R	RR	ΤŢ	CCCC	CCCC
p p		AA	44	RR	RR	I t	CCC	CCC

C - 1 - 1

SURFACE WIND SUMMARIES

EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMPINED.

SPEEDS PRESENTED IN KROTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM MEGIANING OF PERIOD OF RECORD THROUGH JUNE 1968. COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TERS OF DEGREES.

AN ASTERISK "+" IN THE TABLES INDICATES THAT THE VALUE IS PASED ON AN INCOMPLETE MONTH OF THREE OR MORE MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED TO NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NEEDED TO COMPUTE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED.

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

BIVARIATE PERCENTAGE FREGULNCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM FOLKLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IN GIVEN FOR EACH OTRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY CALL YEARS COMBINEDI..

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITIS EQUAL TO DR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO DR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF "." IN THESE TABLES INDICATES ONE OF MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SFRVICE/MAC

EXIMEME VALUES OF SUMFACE MINES

STATION NUMBER: 727675 STATION NAME: MINUT AFS NO

PER100 OF RECORD: 60-97

1	ŧ									Þ	AILY		4 5U -N-T			NOTS										ιι
YEAP I	i	JANI		f E±		MARI						INDL		JULI		•				1136		NOvl		LECT	MUN	11.5
65 l	w	• 24 I	- Ku	521	NN=	311					35.		NNE	361	N.	391	NNW	371	NNW	321		511		371		5.2
61 1		38.1				391																			te N as	5.2
ا کِن	NNW	501	NNE	371	NW	334	h N al	4.01	Nw	401	NN w	361	aN b	361	N	*5 c l	NNW	301	NNE	451	Nw	481	Nw	431	NNE	50
£3	NNW	431				46																				5.2
64	-	531	#S=	371	NW	431	Nw	421	5	451	NNL	441	w ⁸ / _B	451		521		451	•	481	HNH	421	HN H	431		٤ ع
€5 [Nis	331	al N la	701	1.9	36]	NNE	411		551	ESE	461	NNE	461		331	N m	401	WNW	431		401	w N w	361	w N to	7 C
66 l	ام ا	411	al Na	41	r,	+531	•	•3 t	FAR	•461	£	471	NN E	401	NNE	511	6 N 6	351	NW	451	NW	401	wN.	441	N.	• 6 3
67 1	N	501	Nie	59	h Na	441	S	441	m V m	571	ny fisian	401		581	w S w	411	NW	421		1	LNW	4491	WNE	581		
ا عن	644	• 35 l	NW	+411	NN.	401	Na	391	N	481	Nie	491	14 .	481	36/	441	291	451	30/	491	291	361	30/	571	36/	5.7
59	327	38	291	511	28/	351	5/	4 71	32 /	461	3/	381	271	391	22 •	421	29/	451	30/	461	32/	501	24/	361	241	5.1
ا ن~	307	34 [3C/	491	28/	371	291	6.1	2 •	451	7/	621	26/	521	307	391	31/	431	32/	471	21/	5 1 İ	31/	521	241	62
71 1	29/	42	287	31 l	32/	351	8/	541	31 /	321	5/	391	51 •	481	201	371	241	361	21/	491	291	531	30/	321	6/	54
72 1	291	431	31/	58 [7.7/	511	37/	4 .1	31 /	401	27/	361	147	441	25/	621	30/	441	31/	351	30/	321	21/	341	251	62
73 1	31/	33	29/	35 [14/	351	6/	341	13/	411	12/	461	27/	411	14/	401	31/	341	291	3 3 1	28/	431	30/	581	3C /	5.8
74 [327	40	35/	421	287	451	21	311	4/	321	31 •	481	37/	491	4/	401	30/	431	321	391	30/	421	307	391	36/	44
75 I	31/	641	33/	461	34/	411	15/	421	9/	421	31/	371	31/	671	321	741	241	541	281	381	29/	371	31/	391	32/	74
76	291	45	291	41	32/	431	21	381	21	541	19/	401	30 /	451	5/	481	321	321	291	551	31/	461	30/	411	241	5.5
77 1	31/	431	1/	44	3/	451	33/	4:1	21 /	47	33/	6C1	31/	441	321	431	25/	411	31/	411	27/	44	321	391	33/	60
76	32/	38	31/	411	30/	441	29/	4.51	17/	391	34/	541	25/	471	33/	49	7/	411	29/	401	27/	551	291	481	211	55
79						391																			307	5.2
80 1						44																			25/	5.6
91 [35/	32	31/	44	34/	361	1/	471	7/	351	291	421	32/	401	8/	321	3C/	411	35/	371	34/	361	307	341	1/	47
82 1	321	45 [301	371	28/	531	21	391	27/	411	23/	371	28 /	401	33/	321	32/	321	31/	34	31/	351	30/	341	201	5 3
83 I						581																			211	64
84						411																			30/	55
65 l						401																				5.2
86 I						551												521	32/	351	34/	481	31/	47	297	55
87		45 [32*	44	33/	401												1		- 1		1		1		
MEAN 1		3.01	4	2.71		1.11		1.91		3.31	4	3.81		4.61		3.01		1.51		2.41	••••	2.51	• • • • •	ž • 4	5	7.7
5.0. 1	7.	5 02 1	٧.	7401	6.	6371	6.	12.84	5.	7381	7.	4281	٩.	1571	9.	4801	5.	905	6.	9401	6.	8131	7.	1211	6.	993
L OBS !	!	e 17 [7671		6581	į.	3341		8581		827 i		856		8451		9011		7931		7931		F 3 1 i	9	88 J

NOTES • (BASED ON LESS THAN FULL MONTHS)
S (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

SLOBAL CLIMATCLOGY BRANCH USAFETAC AIR BEATHLE SERVICLYMAC

PERCENTAGE FRECENCY OF OCCURRENCE OF SURFACE WIND DIMECTION VERSUS WIND SFEED FROM MOUNCY OBSERVATIONS

STATION NUPSER	: 121675	5 T & T L (1)							HOLTE:	OF RECOR	D: 7A- Hoursilst		02.00
	1-3	4 -e	7-10		• I N	0 SPEED 21+27	In anots 26-33	34-4[41-47	-		TCTAL	ME AN WING
١,	. 3	1.6	1.0	1. '		•••••;•		• • • • • • •	•••••	• • • • • • • •	• • • • • • • •	4.6	Y.4
NRE	• 1	• "	. 6	• !	. 3							2.0	9.9
NE I	.:	• .7	. 1	. 2								. 4	5.4
f NE		. 4	. 4									1.3	7.2
ŧ	• 2	. #	. 4	1.2								3.3	4.2
ESE	. t	1.4	1.5	1.								4.5	7.5
SE !	1.5	1.6	1.6	. 5								5.1	t.e
. 25 j	1.3	1.9	1.3	. 4								4.6	6.2
\$	1 - 4	* #	1.5	• 1	.1							3.9	6.3
5.5m	* ¢	. 4	. 1	• 5								1.6	6.9
Sw	. 6	1.4	.4	• 5								1.1	6.1
# 5 # ·	• 3	: • 6	1.4	1.5	• 2	•1						5+2	9.1
-	1 + 0	3 • 1	5.8	3. 4	. 8	.4						14.5	9.3
le Non (.5	3.3	4.6	5.1	1.9	1.0	. 2					16.7	11.5
N#	. 6	• 9	3.7	5.9	2.5	. 9	. 6	. 1				15.1	13.7
NNW	• 2	1.5	1.1	2. 7	. 3	• 3	. 1					6.2	11+1
VARIABLE	• • • • • • •	•••••	•••••	** ** * * * * * *	• • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • •	•••••	•••••	• • • • • • • •	•••••	
CALM	,,,,,,,,,,	////////	,,,,,,,	111111111	1111111	,,,,,,,	,,,,,,,	//////	,,,,,,,	,,,,,,,	,,,,,,,	7.7	/////
TOTALS	9.7		26.6		6.3	2.8	1.0	• 1				100.0	9.0

TOTAL NUMBER OF DESERVATIONS: 930

GEORAL CLIPATOLOGY BRANCH AIR WEATHER SERVICE/MAC

PERCENTAGE FRELIGINGS OF OCCURNENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOUNLY OBSERVATIONS

STATION NUMBER: 727674 STATION NAME: MINOT AFE NO

DIRECTION ! 1.1 1.5 1.4 1 . . 6.6 9.3 WNE • .' . 1 . f 7.2 NI . ! . 1 5.0 F 1. E . 1 . 1 • 1 ٠.0 ŧ 1.1 1.3 B.5 F St 4.6 9.3 6.9 4.6 551 4.3 7.0 ŗ 4.7 6 . .? 55. . 6 . 6 . 4 • 1 1.9 5.1 5.4 . 7 .5 • 5 # S # 1.5 1.7 1.4 . 2 9.1 • 2 9.8 LNE 2.0 . 1 . 1 11.6 N at 12.6 P. N. h 11.3 VARIABLE 1 CALM 7.5 ///// TOTALS 6.1 2.8 . 9 • 2 100.0 9.1

TOTAL NUMBER OF ORSERVATIONS:

UCCUMAL CLIMATCLOGY BRANCH PERCENTAGE FRE WINCY OF OCCUMENCE OF SURFACE WIND DIRECTION VENSUS WINC SEFEL LIMIT SERVICEZMAC.

FROM HOUNCY DESERVATIONS

ATH WEATHER SERVICEZMAC

STATION NUMBER: 727675 STATION NAME: MIGGT AFF NO

STATION NUMBER	9: 727675	STATEON	NAME:						PERICU MONTH:	GF FECUR		-87 Ti: 6630.1	De jj
		•••••				O SPEED	IN KNOTS		• • • • • • • •		•••••	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •
101 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		4 -e.	7-10			-	.8-33	34-40	41-47	4#-55	GE SE	icial S	# 1 4 C
re	!	: • •	2.0	1.4	• • • • • • •	•2	• • • • • • • •	• • • • • • •	•••••	• • • • • • •		•••••	٠٠٠٠٠
Pallet		. •	. 3									1.1	٠.٠
NL		•:		. :								. *	
E Pat	.:	- 1										.2	5.4
Ł		• 6	1.0	1.4	• 2							٠	٠.1
1.28	į .,	1.5	1.6	1.2	. 3							4.4	4.3
٠ŧ	1.0	1.4	1.7	1.	. 1							5.5	7.5
551	1	1 . 4	1.5	1.0	• 1							4.9	7.2
5		1 • °	.9									3.9	s
SSW		1 • 0	.4	. 4								2.3	6.5
5 w		1 • 3	. 8	1. 3	• 2	•1						4.0	t . 4
# \$ #	1 1.1	2.1	1.7	1.2	. 3	. 1	. 2					€.9	F . K
-	1.5	3.2	4.9	3. 7	1.0	.4	. 1					14.9	9.4
by Palin	1.1	1 - 1	2.3	6.3	2 • 4	• A	• 2	. 3	3			14.4	13.2
Nw		1.0	3.1	t, • ±	2.6	1.1	. 2					14.5	13.5
Ntem	! ! .8	1.1	2.3	< • □	1.1	. 3	. 1					8.4	11.5
VARIABLE	, 	•••••	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •	•••••			• • • • • • • •	•••••	
CALM		,,,,,,,		11111111	1111111	1111111	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1111111	,,,,,,,,	,,,,,,,	,,,,,,,,	5,9	111111
TOTALS	10.2	17.9	24.5	26.4	8.5	3.0	. 9	. 5	3			100.0	4.5
	, • • • • • • • • • •						• • • • • • • •						

TOTAL NUMBER OF ORSERVATIONS: 930

LE FRE EXEMPTE DOUT THEORY PRINCES OF PRINCENTAGE FOR A CONTROL OF CONTROL WINDOWS WIN

STATUS NUMBER OF THE PROPERTY NAMES HERE THE TRANSPORT

PEOTOD OF RECORD, TRAP? MCNTHO JAN HORWYCESTO GYLGT1100

1 1 : : : : : : : : : : : : : : : : : :	1 - 1	4	1-,-	1.4-16		19660 1977	IN KNUTS		41-41	4	یا دو	TCTAL	#1 A N
F GHEFST A												1	•INU
` }	• 1	1 • 1	1.7	1. *		.1						1.1	٠.٠
100	.:		. •	• '	. 1								٠.,
· j	. 4	• '	• 3									1	1.4
1	• '	• •	• •	•								1.1	٠.٠
. !	• *		. •	1								•	٠.٠
ra j	.:	• •	1 • 1	. • •	, t							٠.٠	11.5
- Se	. 4	1		• -		• 1						4.4	٠.٠
	. 1	1.	1	1.7	• 1								٠.٠
i i	1 • 1	1.1	, t		• 1							.,,	.,,
• •	• "	1.1	.,	- 1	• 1							2.5	4. • 4
Se l	• *	• *	. 4	• "	• •	. 1						2.5	10.1
• •	. 4	1	1.4	1.	• •							٠.٠	7
• [1.1	. • •	3.4	4.4	1.'	• 9	. 1					14.2	17.4
sea [• *	1	2.45	1.4	2.6	1.3	. 5	• 1				14.1	11.0
N=	. 4	1."	3.4	4.1	1.1	1.5	• •					14.4	13.5
N	. 4	• •	2.7	4	1.1	1.3	. 1					r.6	1.T.A
AHIABLE I	• • • • • • • • •							• • • • • • • •	• • • • • • •				• • • • • •
t	,,,,,,,,,,,		,,,,,,,,	,,,,,,,,			,,,,,,,	,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,	7.6	,,,,,,
CTALS	7.4	17.7	23.4	21.1	10.1	5.2	. *	. 1				150.0	10.1

CHOMBE CLIMATOROUM PRANCE CARRITAL Forse Make these son of occumentare of screace wind direction verses wind speed from Founcy observations ATH MEATHER SERVE EXPAG

tubuset in t • INC 1.61 ... 1. 7., 1 1 . : e . " . 4 ٠., 1.: . 1 1.7 1.4 :. 7 . 4 . 1 4.7 4.6 1.1 9.7 • : . . . 1.4 . 1 4.6 7.9 i . . 1.0 1.0 . . . 1 ÷. • n. 7 1. * 1.0 6.5 . -¿.c 1.0 5.5 . 1 4. 1. 5 . 1 11. 1. . 9 -. . 4 4. . 1.9 . 1 . 1 11.7 12.6 . . . 1.4 . 4 13.5 14.5 4.9 2.0 . 4 16.9 1 . 1 4.4. 12.4 VARIABLE (# L # 4.7 ////// 100.0

GEOGRE CEIMATCEOUY BEARCH USAFETAC

FEW-LINTAGE FOR LETINCY OF OCCURRENCE OF SURFACE WIND UTRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

AIN WEATHER SERVICE/MAC

STATION NUMBER: 777675 STATION NAME: MINOT AFE NO PERIOD OF RECUPO: (DEUR FS) 1 WIND 9.5 9.0 SNI 6.6 . 1 NE . 4 . 1 1.5 5.7 . . . 1 ENE . 4 1.8 6.6 . 1 . -1. L . . 1.3 . (. 3 . 1 3.7 9.1 3 9.0 1.1 4.7 f sf 1.4 4.5 1.3 . . . 2 7.8 St 3.7 4.5 151 . 4 ٥.5 1. 4 6.7 1.2 1.1 4.0 7.7 • 5 8.0 55. 7.3 1.: . t 5 # . 4 1.1 1.3 1.0 . 2 5.6 10.8 1.6 650 2.1 3.1 4.0 1.4 . 4 12.2 11.2 1.0 2. 4.7 14.0 W N W 2.4 1.2 • 2 . 1 12.6 14.5 NE 1 . 7 4 . C 4. 7 3.8 2.4 . 4 17.3 NNE 1.0 3.2 VARIABLE CALM 3.7 ////// TOTALS 100.0 10.6 11.7

GLOBAL CLIMATOLOGY FRANCH USAFLTAC AIR BLATHLE SERVICL/MAC PERCENTAGE FFECUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MONTH: JAN HOURS(LST): 1800-2000 *IND SPEED IN KNOTS 17-21 22-27 28-33 34-46 41-47 48-55 GE 56 DIRECTION ! TCTAL MEAN 4 -t 7-10 11-16 WIND LOPUREEST 1 1.1 e . 3 1.^ 3.0 6.5 • ? 1.0 . A - 1 1. NE 1.5 . 2 5.1 . 3 NE . . . 5 . 4 . 3 2.0 6.5 ENE 1.5 3.5 8.8 Ł 1.2 •6 . 5 1.3 1.3 3.9 ESE • 3 10.1 7.4 1 • ¤ 2.0 . 1 5.1 SSE . 3 4.8 6.7 4.5 5.8 5 1.3 2.3 4.7 554 1.1 • 2 . 3 1.8 7.3 • 1 5. 5.7 9.6 1. 5 • 2 wSw . . 1.2 1.4 • 6 12.0 5.6 3.0 4.2 3. 4 . 8 . 1 16.0 12.9 ... 4.9 3. 9 2.4 1.7 . 3 . 1 13.8 13.5 1 . 7 2.8 4.2 2.8 1.2 12.2 Milan VARIABLE 5.6 ////// CALM 100.0 9.5 TOTALS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR "FATHER SERVICE/MAC

PERCENTAGE FRECIENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOUNLY OBSERVATIONS

STATION NUMBER: 727675 STATICE NAME: MINOT AFE NO

PERIOD OF RECORD: MONTH: JAN HOURS (LST): 2100-23CG WIND SPEED IN KNOTS DIRECTION I 4-6 7-10 17-21 22-27 28-33 34-40 11-16 41-47 48-55 GE 56 TCTAL MEAN (DEGREES) 1 ı **■1**NU 2.6 2.€ 1. 5 8.5 ٠1 ٠, ç . 4 NNE .: . 1 . 2 1.8 7.8 ٠.٤ . 9 . 3 . 1 . 1 1.3 6.7 ENE . 1 . 4 . 1 . 3 1.0 F .6 • ? . t 1.1 2.7 9.1 7.5 S٤ 1.4 1.0 6.9 1 . 2 5 S E . 6 . . 2 1.6 5.2 6.9 5 .6 3.5 . 6 1.€ . t 6.5 . ? SSW 1.1 . 5 . 3 2.2 4.6 . 5 . 4 5 # . 6 • 5 2.2 6.6 4 S 4 . 9 1.1 1.3 1.4 . 1 4.7 e .4 1.5 1.5 . 3 15.4 9.5 -2.8 3.5 3.7 13.2 12.4 5.2 13.6 10.9 1.1 . I 6.8 CALM TOTALS 100.0 23.2

ULOBAL CLIMATOLOGY SHANCHUSAFETAC AIR ALATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOUNLY OBSERVATIONS

PERIOD OF RECORD:

STATION NUMPER: 727675 STATION NAME: MINGT AFS NO

MONTH: JAN HOURS (LST): ALL #IND SPEED IN KNOTS DIRECTION ! 17-21 22-27 28-33 34-40 7-15 11-16 41-47 48-55 6E 56 TCTAL IDEGR: EST 1 WIND .4 .1 1.7 1. 2.1 6.8 ١. ۶ . 5 • 1 NNE • 3 1.9 7.7 NI . 1 . 1 • 0 . 9 5..6 • 3 ENE . 3 • 1 . 4 Ł ٠b 1.3 . 1 9.0 ESE 1.1 . 3 .0 9.1 SE 1.3 7.5 SSE . 6 7.6 4.6 • 3 4.0 6.5 5 S W . 0 6.4 2.2 . 9 Sw . 4 . 6 . 6 . 1 . 1 7.8 1.5 . 5 ٤. 1.6 1.3 . 1 9.5 ¥5. • 0 5.7 3. F 4.4 1.2 . n WAW . 6 1.4 3.4 5.0 2.2 1.1 . 3 . 1 12.9 NW 5.3 3.0 VARIABLE CALM 6.2 TUTALS 100.0 9.8

GLOBAL CLIMATCLUGY ERANCH LSAFETAC AIR MEATHER SERVICE/PAC

PERCENTAGE FRECUENCY OF OCCURRENCE OF SURFACE WIND UTRECTION VERSUS WIND SFEED FROM HOUNLY OPSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PERIOD OF RECORD; 78-87 MONTH: FER HOURS (LST): 0000-0200 ME A N 41-47 48-55 GE 56 TITAL 2 (DEGREES) 1 6.5 2.7 ..1 8.5 1 • 1 . 2 2.5 5.8 NNE . 6 1.1 . 6 1.3 5.0 . 4 . 7 • 2 NE 4.7 1.4 ٠, . 4 8.3 • E . 9 2.6 . 9 . 1 5.2 ŧ. 9.2 ESE 1.2 1.3 2.5 1.3 . 7 . 1 7.1 1.7 1.8 1.3 . 2 . 4 5 . 6 9.6 SF ٠. ٤ 1.2 . 7 . 1 5.7 6.6 555 2.4 1.3 . 1 6.1 2.1 . 1 . 4 2 5.2 1.3 . 5 556 9.7 . 4 1.2 . 4 . 1 5 W 8.4 • 2 1.3 1.3 1.5 . 8 1.5 . 2 9.5 7.3 2.7 3.3 9.8 4.4 2. 7 • 6 • ? 11.9 11.5 4.5 1.5 13.1 1.2 4.4 .5 . 2 1.9 VERTABLL CALM 6.3 ///// 100.0 8.1 TOTALS

GLOBAL CLIMATOLOGY ERANCH USAFETAC AIR WEATHER SERVICE/MAC

PEPCENTAGE FREULENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEFD FROM POUNLY OBSERVATIONS

• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • •	• • • • • • • •			IN KNOTS		• • • • • • • •	• • • • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • • •
PECTION LURGEST		4 -6	7-1 C		17-21	22-27	28-33	34-40		46-55	GE 56	TCTAL	ME AN Wind
N I	, 9	3.0	3.2	1.7	•5		•••••	•••••	••••••	••••••		9.2	8.ŋ
NNE .	. 4	• 6	. 7	• 2								1.9	6.8
NE	. 7	• 2										. 9	2.6
ENE !	. 5	. 5	. 4									1.3	4.8
£ !	. 5	1 • 4	1.8	2.1								5.8	6 .R
ESE !	. 9	• ė	2.6	1.6	. 1	. 1						6.3	9.0
SE	. 7	٠ ٢	2.2	. 6	• 5	•6						5.4	1C•1
SSE	. 7	. 9	.6	1.1	• 1							3.4	6.9
s I	. 7	1 • 4	1.1	• 5								3.7	6.5
SSw	. 6	• 6	. 4	. 4	• 1							2.0	7.2
5 er	. 4	1 • 1	1.8	. 5	. 1	•1						3,9	8.2
=5=	. 6	2 • 5	1.3	. 7	. 4							5.4	7.4
.]	1 • 3	2 • 9	2.7	2.8	.6							10.3	8.3
HNH	1 • 1	2.8	4 . 4	4 • G	1 . 3	.4						13.9	10.1
Nu j	.5	3 . 2	4 • 1	2.8	1.1	•5	• 2					12.5	10.2
NNW !	. 7	1.3	1.3	2.3	• 6							5.9	9.5
ARIABLE !	• • • • • • • •	•••••	• • • • • • • •			••••••	••••••	• • • • • • •	• • • • • • • • •	•••••	• • • • • • • •		
ALP	,,,,,,,,	1111111	,,,,,,,,	1111111	111111	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	1111111	,,,,,,,,	8.0	111111
OTALS (11.1	24 • 0	28.5	21.2	5.1	1.9	• 2					100.0	8.1

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: #IND SPEED IN KNOTS

DIRECTION | 1-2 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN IDEGREES) | WIND N | 1.9 3.1 NNE . 2 6.7 ΝE • 2 1.7 7.2 . 6 . 6 . 2 .5 . 2 7.0 ENE . 7 • 7 Ε . 5 1.9 2.0 1.3 5.7 7.6 . 9 1.7 10.3 ESE . 6 2.8 . 1 • 1 6.3 . 4 9.5 SI . 7 1.1 2.0 . 9 • 2 5.3 5 S E . 9 1.3 . 1 3.2 9.1 S • 2 5.7 • 2 • 5 . 6 . 2 1.8 5.7 9.0 2.1 1.4 WSW 9.7 6.0 . 9 3.2 3.8 1.2 . 6 9.7 ENW . 9 3.2 4.7 3. 1 1.1 . 4 13.4 • 5 NW 3 . 7 3.1 2.6 1.4 • 6 13.2 10.7 NNW • ? 7.9 VARIABLE CALM 6.5 ////// TOTALS 1.5 . 6 . 1 100.0 P.2

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINO1 AF3 ND

PEPIOD OF PECOPD: 78-87 MONTH: FEP HOURS(LST): 5900-1100 | NIND SPEED IN KNOTS
DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 22-27 28-33 34-40 (DEGREES) | 1 w1ND , ... N • 5 2 . 1 3.4 2.1 NNE . 6 . 8 . 1 . 1 . 6 2.2 6.6 . 4 . 5 NE 1.7 5.2 • • ENE • 2 . 9 . 5 2.1 ٤ 1.1 1.9 1.7 9.5 ESE SE 9.4 6.7 1.2 . 5 . 4 9.5 SSE . 6 • 7 3.3 . 9 s 1.9 . 8 . 1 1.5 . 9 . 5 7.0 5 5 W Sw • 2 . 7 . 7 . 6 . 1 A . 4 L SW . 6 . 1 . 5 10.0 11.7 N to 12.2 . 6 . 1 VARIABLE 100.0

GLOBAL CLIMATOLOGY BRANCH AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SUPFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

#IND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-22 22-22 ME AN IDEGREES! ! N 1.5 3 - B 7. 5 . 6 . 1 . 1 NNE . 7 1.2 . 8 . 2 . 1 ۲.1 6.1 NE 1.1 1.1 • 2 2.4 5.0 ENE . 7 • 7 . 6 Ł . 5 1.1 1.0 1.3 . 5 9 . 2 ESE . 2 2.0 5.0 12.6 SE • 2 . 2 4.5 11.7 SSE 10.0 4.5 . 6 . 2 5.6 9.1 . 4 1.2 P . 3 . 8 . 6 3.0 ٠, Sw . 2 1.4 2.1 7.5 4.3 **u** S₩ . 7 2.2 1.4 10.4 4 . A ۱.۴ 2.0 *. a 1.1 . 1 9.2 11.0 2.2 WNW 1.2 3. 4 1.8 1.4 10.5 13.5 NH . . 3.0 2.7 14.0 NNH VARIABLE | CALM 3.5 ////// 3.9 100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREGIENCY OF OCCURRENCE OF SERFACE WIND DIRFCTION VERSUS WIND SPEED FROM POURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS ND

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1500-1700

1 DIPECTION 1	1 -3	4-6	7-10	1 1-16	WIF	ND SPEED	IN KNOTS 28-33		41-47	48-55	GE 56	TETAL	MEAN
DEGREES)	-				_							t	UNIW
		2 . 1	5.0	3.3				• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	11.8	9.3
i i	• .		•	3.	•••	•	• •						
NNE İ	• 2	2 • 1	1.2	• 5								4.0	6.7
NE	• 1	1 • 1	.5	• 2								1.9	€.4
ENE	• 1	• 6	. 8	. 8								2.4	9.5
E j	. 7	1.2	1.4	. 3	.4							4.6	6.8
E SE	. 7	• 9	2 • 8	1.9	. 7	•5	• 1					7.7	11.0
SE I	. 4	• 7	1.2	. 9	• 2		• 2					3.7	10.4
S S E	• 2	• 6	1.5	1. 7	. 4							4.4	10.1
s i	• 1	2 • 0	2.1	2.2	• 2							6.7	9.3
SSW !	• 2	• 7	1.1	• 6	.5							3.1	9.1
SW 1	• ?	• 6	. 8	• 5								2.1	7.4
MSM I	. 6	1 • 1	1 • 1	• 5	• 1							3.3	7.4
	. 6	• R	2.0	?. 9	. 5	•6						R . 4	11.7
WNw 1	• 2	• 7	1.7	4.5	2.1	• A	• 1					10.2	14-1
Nu I	• 2	• 7	3.2	5+3	2.0	1.4	• 1					13.€	13.6
NNW 1	. 5	1 • 1	3.5	3.2	• 0							9.2	10+3
VARIABLE 1	• • • • • • • • • • • • • • • • • • • •	•••••		••••	• • • • • •	• • • • • • • •	• • • • • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •	•••••
CALM !	,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	1111111	,,,,,,,,,	,,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	3.5	111111
TOTALS 1	6.0	17.7	29.9	31.€	8 . 3	3.5	. 7					130.0	10.2

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

#IND SPEED IN KNOTS

DIRECTION 1 1-3 4-6 7-10 11-16 17-21 22-27 24-13 70.00 MINDN 1.4 7.9 11.1 1.8 3 . 5 3.9 . 9 1.7 NNE 1.7 • 5 4.7 6.4 ΝE • 2 . 7 . 6 1.5 τ., β ENE . 7 • 8 • 6 2.1 8.5 E • 5 1.2 1.9 2.2 . 1 9.1 ESE . 6 2.9 2.7 2.1 • 2 • 2 R . 7 . 6 10.2 SE 2.2 1.1 . 1 4.7 7 . A 1.4 SSE • 5 1.8 . 7 7.7 • 2 4.6 5 . 5 1.9 . 5 2.6 . 1 6.3 7 . ? SSW . 5 . 5 . 6 • 5 2.0 7.5 . 5 SW • 2 • 2 . 5 1.4 7.8 WSW . 6 1.2 1.8 . 1 3.7 . 9 2.7 3.3 2.6 . 1 • 1 9.3 A . 5 WAW • 2 2.5 3.5 3.1 ٠, • 5 . 2 11.0 NW • ? 2.5 2.4 5.2 1.9 • 1 12.7 12.2 P . 7 1.8 1.5 1.3 .6 VARIABLE CALM 4.3 ///// TOTALS 100.0 8.6

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFELD FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PEPIOD OF RECORD: 78-87 MONTH: FER HOURS(LST): 2150-2350

1							IN KNOTS						
RECTION DEGR _E SI	1-3	4 -6	7-10	1 1- 16	17-21	22-27	28-33	34-40	41-47	46-55	GE 56	TETAL	MEAN WINU
N I	1.3	2 • 4	2.4	?•6	• 2	• • • • • • •		•••••	••••••	••••••	•••••	8.9	
NNE	1 - 1	. 9	1.5	. 1								3 • 7	5.9
NE I	. 4	٩.	1 • 1									2.2	5.9
ENE	. 4	• 4	. 4									1.1	5.4
E !	• 9	1 - 1	2.5	1.4								5.9	8.0
E SE	. 5	2.0	1.5	1.4	• 5	•4						6.3	9.8
SE	1 • 2	1 • ₽	2.7	. 8	. 5	. 4						7 - 3	8.5
SSE	1.1	1.7	1.2	1.2								5.1	7.1
s	1.4	1.5	1.1	. 9		•1						5.1	6.7
ssu !	• 9	٠ ٩	. 4	• 5	. 2							2.5	7.4
Sw	. 4	• 7	•6	1.1								2.1	R . ?
wsw i	. 6	1.2	٩.	. 5								3.1	6.3
- }	. 7	3 . 4	4.5	1.8	. 1							10.5	7.5
*N#]	. 6	1.9	4.7	4.1	. 7	.4	• 1					12.5	10.9
Nu	• 6	1.9	2.7	4.7	1.5	•6						12.1	11.6
NN=	• 2	٩.	1.8	1.4	• 2	•1						4.6	9.7
ARIABLE	• • • • • • • • • • • • • • • • • • • •	• • • • • •	•••••	•••••		• • • • • • •		• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	•••••	•••••
ALM .	,,,,,,,,,	,,,,,,	,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	6.5	,,,,,,
OTALS [12 . 2	22.0	29.6	2 2. €	4 • C	1.9	. 1					133.9	8.2

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND STEED FROM MOURLY OBSERVATION.

DIRECTION DEGREEST	1 - 3	4-6			# [7	ND SPEEN	IN KNOTS						
N [4 -6	7-10	1 1- 16			2 n- 3 3		41-47	46-14	uf fo	Ti jai	ME AND MINGE
	1.1	2.5	3.4	2.4		.1		• • • • • •	• • • • • • • •	• • • • • • • •	,	· · · · · · · · · · · · · · · · · · ·	
NNE	. 6	1.2	1.0	. '	• 0	•?						t , ^	
NE	• 3	. 9	. 6	• 1								1.7	.,,
FNE .	. 1	• 6	•6	. *								1.5	•••
£	.5	1.2	2.0	1.5	• 2							٠,٠	٠.,
E SE	. 7	1.2	2.2	1 • 9	• 5	• *						h . 7	11.
28	. 6	1. *	1.8	. 7	. 3	. *	. 1					۲.4	٠.,٠
SSE	. 7	1.1	1.6	1.2	•2							4.7	٤.4
s i	. 7	1.7	2.3	• 9	. 1	• າ						4.6	•.4
55.	. 6	. 9	. 7	. 4	• 2							2.4	2.4
2 1			1.0	. 7	. 1	• 0						2.9	6.5
H.S.H.	• <	1.4	1.6	• •	• 2							4.4	+ . ?
· .	1.0	2.3	3 . 2		• 5	. 1						9.6	٠,٠
WAW	. 6	2.1	3.5	3• 6	1.3	•6	. 1					11.9	11.7
N=	. t	2.5	3 . 3	4.4	1.7	• 7	. ₹	• "				12.9	42.0
NN _M	. 5	1.4	÷.3	2• 0	. 7	.1						7.7	٥.0
VARIABLE	•••••	• • • • • • •			• • • • • •	• • • • • • • •	••••••	• • • • • •	•••••	• • • • • • • •		• • • • • • • • •	
CALM /	11111111	,,,,,,,	11111111	11111111	,,,,,,,	,,,,,,,	,,,,,,,,	//////	,,,,,,,	,,,,,,,	,,,,,,,,	٠, ٩	111111

GLOHAL CLIMATICLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PEPCENTAGE FREQUENCY OF COCCURRENCE OF SCREACE WIND LIMITATION VERSUS WIND SFEEL FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINGT 6F3 NO

	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • • •	•••••		ND SPEEN	IN KNOTS		•••••	• • • • • • • •	• • • • • • • •	• • • • • • • • • •	• • • • • • • •
DEPT FOR	1 - ₹	4 -6	7-13		17-21	22-21			41-47	48-5	QE +6	tital 1	ME EN
N I		1.0	2.4			.1	• • • • • • • •	•••••	•••••	••••••		••••	
NNE	. •	. a	• ti	• *	• 1	•1						2.0	· · 1
NI j		• •	1.0	. :								1.6	÷ . 4
ENE	.,		. (٠.٠
	. 4		4 • •	1.	. 1							4.1	·
rse !	. •	2.4	4 - 1	1.3	. 1							٠. ٠	7.9
56	. 4	2.0	5 - 1	2.4		• `						٠	F . r.
*5E	1.4	1.4	1.6	1. 7	• ?							a	• • 1
5	1.7	1 . *	1.1	. •								4.6	6.3
<<.	1.1		1.0	. +								₹.6	
5 #	. •	٠ ٠	. 4	• .*	. '							2.5	٠,٠
854	. 4	1.,	2.2	• •	.7							5.1	٠.٦
•	1 + 2	τ, :	4.1	1.	. 7							10.6	F • 1
1 No.	1. "	1.~	2.6	. • •	•	. •	• .*	. 1	1			μ.4	11."
••		1.5			1.1							7.0	17.2
5N= 1	. '	1.4	1.7									6.0	٠.٠
VAPIABLE I		•••••	• • • • • • •	• • • • • • • •	• • • • • •		•••••	• • • • • •		• • • • • • • •	• • • • • • • •	• • • • • • • •	
CAL	,,,,,,,,	,,,,,,,	1111111	,,,,,,,	,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	6.9	//////
7 141 7	11.	24.9	. 4 . 7		4.1	. a	.:	• 1	1			100.0	7.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SUPFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PERIOD OF FECORD: 79-87 MONTH: MAR HOURS (LST): 0700-0500 COFGREES) | #150 N 1 NNE • 2 1.0 . 4 . 2 2,4 * . 6 ٠, . 2 1.3 ΝE • 1 . 3 ENE . 5 • 6 . 6 7.5 1.9 3.0 7.4 Ĺ . 0 1.6 3.7 7.7 E SE 1.0 1 . 8 1.6 H . 1 ٠., A . 9 38 2.3 3.3 . 1 7.4 SSF ٠,9 1.4 1.0 1.4 4.6 6.0 s . 8 1.4 1.1 . 6 3.5 1.3 £ . 7 1.0 6.2 7.3 2.7 • 2 . 9 7 . C 2.8 3.0 . 1 ٠.8 11.6 2.2 5.3 HNH 1.6 1.0 9.7 10.7 No. . 6 1.3 3.3 2. 4 NNB ١.، 10.1 VARIABLE CALM 1 - 7 TOTALS 21.0 3.7 . 3 100.0 A . D

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PERIOD OF PECORD: HOURS(EST): 0600-0656 1 WIND SPEED IN KNOTS
DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN IDEGREES! WINL N 2.2 .6 9.0 . 9 . 2 7.3 NNE . 4 1.2 ٠, ١ • 6 1.4 Nξ . 5 . 4 . 6 . 1 . 1 . 1 F . A . 4 FNE 1.0 . ? . . 4 6 . 1 £ 2.3 2.7 1.6 . 3 7 . A • • : 1.0 ٠, ٠,4 FSF 1.5 . 1 £ . 4 3 . 1 2.8 • 2 SE 2 . P 2.6 1. 6 A . A 7.6 : SE • 2 1.1 . 9 1.5 . 1 4.7 S ٠. . 1 ۴.7 2.2 1.3 . 6 * S # . 3 • ! • 3 ۴., . 6 F + 2 Sw . 3 • 5 . 5 . 1 1.6 . 4 1.5 3.7 7.5 1.1 ws. . 6 2.5 2.9 7.6 . 1 A . 5 ٠., 1.0 1.4 10.9 h 14 a 1.2 4.0 - 4 13.4 1.2 ٠, ۹. ; Nw . 6 1 . 1 1.9 1.0 - 1 11.4 2.2 7.0 11.1 VARIABLE A.5 ///// CALM TOTALS 100.0

GLOBAL CLIMATOLOGY BRANCH LSAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIN \hat{u} speed from mounly observations

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PE010D OF RECORD: 78-87
MONTH: MAP HOURS(LST): 6900-1100 STONN NI CEER ONIM DIRECTION ! 7-10 17-21 22-27 2F-33 34-40 1 - 3 4 +6 11-16 41-47 48-55 ICIAL PLAN IDEGREES! | = IND . N . 6 2.3 3.0 2 . 8 1.0 • 2 9.9 10.0 • 8 . 3 . 2 3.5 NNE 1.2 . 9 9.4 • 2 . 9 . 3 . 1 2.5 7.5 NE . 4 ٠ ۵ 1.0 1.5 . ! ENE ٠, . 1 ε 1.7 2.4 8.7 . 9 7.3 ė. e . t SE . 6 558 2 . 2 2.2 2.0 . 1 9.1 . 6 5 1.3 . 1 6.5 10.0 **c** c SSW . . . 3 . 5 . 1 . i 1.9 . 3 ٠, . . S. . 1 . 4 . 2 .. 1.7 10 • F . 9 9.7 WSW 1.0 1.4 . 1 3.7 10.2 HNE 1, 2 . 9 • 5 • 2 13.2 NIN 11.9 VARIABLE CALM 4.5 ////// TOTALS 100.0 3.2

GLOBAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEEL FROM HOUNLY ORSFRVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE ND

PERIOU OF DECURD: 78-87

MONTH: MAR HOURS(LST): 1200-1400

WIND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 25-33 34-40 41-47 49-55 GE 56 I(TAL HEAN (DEGR₂ES) 1 PERIOD OF PECORD: N . 6 2.9 3. 3 1.1 • 3 11.1 10.7 . ? • 3 NNE 1.4 1.3 . 6 3.9 P . 7 NE . 5 7.2 ENL • 3 a . 1 £ 2.6 R . 5 1.6 FSE 9.7 . 5 1. 9 • 1 9.5 SE 1.1 2.8 . 3 SSE 1.7 • 2 . 6 . . 2.4 . 6 6.3 10.7 S . 8 2.8 2.5 1.1 . 3 A . 3 12.9 9.8 . 8 . 1 SSW . 2 • 3 . 6 2.0 Sw . 4 . 4 . 1 1.1 13.6 **W N W** . 5 1.2 1.0 • 3 . 6 2. € . 1 6.3 14.4 NW . 2 1.7 4.7 1.4 . 1 14.3 . 6 1.3 10.1 NINE 1.1 3.2 1.1 • 8 12.7 CALM 3.3 ////// 31.6 8.1 4.9 . 3 100.0 10.6

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB NO

PERIOD OF RECOPO: 79-87 #IND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN DIRECTION (w1%0 10.3 fe. 5.1 11.0 1.5 2.0 × .5 . 9 3.0 NNE • 3 * B 1.1 . ? NE . 3 2.4 3.0 7.7 1.0 FNE 1.3 1.4 1.5 • 2 4.5 : . . Ε FSE • 8 10.0 . 2 2 . 3 . 3 • • 1 SE . 2 1.0 . 9 1.9 . 2 10.5 SSE . 4 1. 9 • 5 . 4 S 1.1 2.8 2.3 15.5 . 2 7.6 • 2 1.0 . 1 5 5 W • 2 • 6 . 3 • 2 μ. τ SW • 8 .6 . 3 . u < 2 1 . 7 1.2 1.3 . 3 4.3 9.8 . 8 1.2 1.4 . 2 • 1 . 3 11.7 ₩ N W 3. 3 1.2 . 3 . 2 15-1 3. 7 1.5 0.4 15.9 13.1 VARIABLE I CALM 3.7 ////// . 6 100.0 10.7

GLOBAL CLIMATOLOGY BRANCH LSAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIMECTION VERSUS WIND SFEED FROM MOUNLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFE NU

STATION NUMBER: 72101 2 22-27 24-33 34-40 41-47 48-55 GE 56 TCTAL 22-27 24-33 34-40 41-47 48-55 GE 56 TCTAL 22-27 24-33 34-40 41-47 48-55 GE 56 TCTAL 24-45 48-45 GE 56 TCTAL 24-45 GE 56 TCTAL PERIOD OF RECURD: 78-87 MCNTH: MAR HOURS(LST): 1800-2000 MEAN *1 N E .4 .2 N 9 . 2 1.0 1 . 4 3 . A 2.3 2.0 1.9 NNE . 6 1.6 6.2 7.0 NF . 5 1.3 • 5 • 3 2.7 t. _ Q FNE • 5 1.4 1.0 • 6 . 1 7.4 a . 1 £ . 5 1,9 4.2 2.0 . 3 9.0 F . 7 ESE • 5 2.9 3.3 2.2 • 5 • 2 9.7 9.0 SE 2.4 3.1 1.6 • 3 . 6 . 1 8.2 ř.4 SSE 1.6 1 . C 2.4 1.6 6.6 7.4 S . 3 1.6 1.4 • > 4.4 8 . I 554 . 5 . 6 . 2 7 . 1 Sh . 6 1.4 . 3 • 3 2.7 5.6 WSW 1.7 • 6 • 5 • 5 ٠l 3.8 P.7 . 4 1.8 1.1 1.1 • 2 . 1 4.7 P . 5 WNW ٠, د 1.3 1.5 • 6 . 3 13.5 NW 2.0 2.3 3.7 1.5 1.1 11.3 12.7 7.5 • l 10.0 VARIABLE CALM 3.9 ///// . 1 150.0

GLOBAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEET FROM HOURLY OPSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE ND

PERIOD OF RECORD: MONTH: MAR HOURS (LST): 2100-2300

WIND SPEED IN KNOTS

DIRECTION 1 1-3 4-6 7-10 11-16 17-21 22-27 20-27 10-27 17-21 22-27 28-33 34-40 (DEGREES) ! HIND NNE . 5 1.0 1.0 1.0 3.4 7.7 1. 1 . C NE 3.1 7.7 • 2 1.0 1.2 . 6 3.0 ENE . 1 6.1 6.0 £ • ? 1.5 2.6 1.3 . 3 9.0 ESE 9.7 1.0 2.6 3.8 2.3 . 1 8.2 . 9 SE 4.1 3.2 1.9 • 5 - 1 . 1 13.9 P . 3 SSE 1.0 3.2 1.5 . 8 6.5 6.1 S 1.3 1.1 . 5 3.4 6.7 . 3 . 3 2.9 . 3 . 5 5 **w** 2.3 . 9 . 5 4.3 t.6 . 1 . 6 1.3 . 3 4.2 ٤. ١ 1.9 1. 7 A . 2 3.C . 4 . 3 P . 4 1.1 1.6 1.4 2.0 1.2 . 4 • 2 5.5 N N W . 2 11.2 2.0 2.9 10.0 NW 1.0 2.5 . 6 ٠ ٩ . 1 9.9 NNW . 6 2.2 1.3 • 1 9.6 VARIABLE CALM 5.6 ////// 1.6 100.0 P.0

GLOBAL CLIMATOLOGY BRANCH AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY $0.3\,S_{ERVATIONS}$

PERIOD OF RECOPO:

STATION NUMBER: 727675 STATION NAME: MINOT AFE ND

PIND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN (DEGREES) | 9.7 1.9 • 2 2 · 8 2.8 . 1 . 1 1.0 . 9 3.5 8.5 NNE 1.1 ٠, NE . 8 . 3 • 0 • C 2.3 7.4 . 3 ٠, .) . 1 3.3 8.1 ENE . 4 1.0 1.0 • 7 Ε . 6 1.6 3.0 1.9 . 2 7.3 A . 6 ESE . 7 2 • 3 3.2 2.0 . 3 . 1 . 0 A . 6 P . 6 2.0 • 5 • 1 8.1 P . 4 1.9 6.2 A . 4 5.4 F . 7 SSW . 5 • 1 • 11 2.5 7.1 . 1 1.0 . 3 . 6 1.5 . 2 .0 4.2 F . 1 WSW 1.4 . 6 9.3 7.6 . 8 2.0 2.3 1.7 . 4 . 2 . 1 12.5 UNU 1.0 2.0 2.6 . 8 .6 . 1 . 1 7.6 NW 1.3 1.9 3,4 1.2 . 7 . 1 9.3 12.6 VARIABLE | 5.5 ////// CALM 100.0 9.0

GLOBAL CLIMATULOGY BRANCHUSAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECOPD: 78-87 MONTH: APR HOURS(LST): 0000+0200 WIND SPEED IN KNOTS 17-21 22-27 29-33 34-40 DIRECTION 1 1-3 7-10 11-16 41-47 4 A - 5 5 GE 56 TCTAL WIND 1 1.6 3.0 1.9 . 3 A . 9 P.6 NNE . 7 . 8 . 6 . 2 . 2 3.3 P . 8 . 2 NE . 4 1.9 . 1 3.1 6.0 ENE . 4 . 2 . 1 7.5 Ĺ . 4 4.C ESE 9.6 S£ 2.0 2.9 7.0 SSE 1.9 5.5 4.4 s 2.6 7.5 F . 1 5 S W 1.0 . 9 1. 3 . 3 . 1 4.1 9.5 SW . 7 1.3 • 6 . 6 3.1 6.3 WSW . 4 2.1 1.6 . 1 4.2 €.7 2.3 . 9 . 2 . 1 6.9 WNW . 7 5 • 1 2.1 1.1 . 9 ۴.5 NW NNW 10.8 VARIABLE CALM TOTALS 100.0 7 . ?

GLOHAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PEPCENTAGE FRECIENCY OF OCCLRRENCE OF SURFACE WIND DIRFCTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO PERIOD OF RECORD: 78-87

									MONTH:	APR	FOURS(LS	T≯: 630∩-	05 66
	· • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • • •		I w	ND SPEED	IN KNOTS	• • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • • •
DEFECTION 1		4-6	7-10	1 1- 16			2 A-33		41-47	48-55	GE 56	TETAL	ME A N
N	1.4	2.7	2.0	2.1	.3		. 1	• • • • • • •	• • • • • • • •	••••••		A.8	6.2
NNE I	. 6	1.^	• P	. 9	. 3	. 3						3.9	10.0
NE	. 6	. 4	. 4									1.4	5 • 1
ENE	. 4	1.5	• 6	• 2								2 • 8	5.9
E	. A	1.7	1.2	• 1								7.8	6.0
ESE	. 5	2.0	1.8	1.9	. 4							6.7	8.8
SE	1 • 4	1.7	1.6	1.2	. 4							6.3	7.9
5 \$ E	1 • 2	2.9	. 7	• 3	. 1							5.1	5.4
s	. 1	2.7	. 7	1.1	. 1	• 1						4.7	7.9
SSW	. 8	1.2	1.8	1. 7	. 1							5.6	8 . ^c
Se I	• 2	1.1	. 9	1.3								3.6	я.9
wsw :	. 9	3 - 1	1.9	• 6	. 1							6.4	6.7
-	1.4	4.6	2.9	1.2	.3	•1						17.6	7.1
MNM I	1.0	2.2	2.1	1. 7	• 6							7.6	p .c.
NW I	. 6	2.6	2 • C	1. 6	• 6	•3						7.7	9.2
NNW	.6	1.1	1.1	1. 3	.9	. 3						5.3	11.2
VARIABLE		•••••	• • • • • • •	• • • • • • • •	• • • • • •	•••••		• • • • • •	• • • • • • •	• • • • • • •		•••••	
CALM 1	 /////////	//////	,,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,,	,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,	9.9	,,,,,,
TOTALS	13.0	31.4	22.6	17.4	4.7	1.2	• 1					130.0	7.2

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFECUENCE FROM HOURLY OBSERVATION $^{\circ}$

PERIOD OF RECORD: 78+87
MONTH: APR HOURS(LSI): 0600-0800 STATION NUMBER: 727675 STATION NAME: MINOT AFB NO

											*******	• • • • • • • • •	
DIPECTION (DEGREES)		4-6	7-10	11-16	#IN 17-21	22-27	IN KNOTS 28+33	34-46	41-47	48-55	GE 56	TCTAL	ME AN WINU
N	1.6	2.7	2 • 8	2.9	.2	.4	•••••		• • • • • • • •	• • • • • • • •	• • • • • • •	10.6	9.0
NNE	1.6	, 9	. 4	. 4	• 2	• 5	. 1					3.9	7.3
NE	. 3	. 9	• 7	• 2								2.1	6.6
ENE	.7	. 3	1.0	• 2								2.2	6.3
Ŀ	1 1 1	1.0	1.4	. 4	• 2							4.2	6.7
rse	1 .4	1.8	2 • 1	1.3	. 7	• 1						6.4	9.2
se	.7	2 . 1	2.0	2.2	. 4	•1						7.6	9.2
558	1 1 2	1.2	1.0	. 4								4.3	5 . a
s	1 1.4	1.6	2.0	. 7	. 2	•1						6.3	7.3
S S W	1 .1	• 9	1.4	. 7								3.0	A . 3
Sw	1 .4	1.8	1.3	1.1								4.7	7.5
wsw	1 1.0	1.7	1.1	• 6	. 2							4.9	1.2
u	1 1.7	2 - 1	3.4	1.9	. 4	•2						9.4	A , T
u Nu	l !	2 • C	2.6	1.9	. 1							7.3	e •r
NW	1 ,6	2 • 1	2.2	2.4	.6	.4						8.3	10.1
NNW	1 ,7	1.0	1.8	1.4	. 7	. 7						6.2	11.7
	1 ••••••••	· · · · · · ·				• • • • • • •							
VARIABLE	ŀ												
CALM	(<i>111111111</i> 111)	,,,,,,,	11111111	////////	,,,,,,,	////////	,,,,,,,,	//////	,,,,,,,,	,,,,,,,	,,,,,,,	9.9	111111
1014LS	1 14.3	23.9	27.1	19.1	4.0	2.1	. 1					100.0	7.7
	•••••												

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATION

79-87

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

PEPIOD OF PECORD: MONTH: APR HOL HOURSILSTI: 3930-1156 | WIND SPEED IN KNOTS | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 DIRECTION 41-47 48-55 GE 56 TCTAL MEAN IDEGREES! ! UALW N 1.6 3.8 5.1 1.3 11.4 13.3 . 9 NNE . 9 • 9 1.6 . 1 NE . 6 ٠, • 3 1.8 4 . A ENE 1.0 1.1 1.4 7.7 E 1 . 7 1.7 1.6 5.3 A . 2 1.4 3.2 . 7 • 3 7.9 16.8 SE 1.4 1.9 2. J 1.0 • 1 7.2 55€ 1.1 1.7 1.7 . 3 . 1 5.2 10.0 S . 7 2.4 . 7 2.3 • 1 10.8 SSW 1.0 . 8 2.€ . 7 . 1 11.1 ٠,9 SW . 9 ٠t 9.1 WSW . 4 1.1 , C, 1.1 3.7 8.6 .6 7.9 11.9 W N % 2.1 5.0 13.0 2.1 3. 7 1.2 . 7 12.8 9.1 1.2 2. 2 1.3 1.9 . 4 11.2 VARIABLE CALM 3.1 ////// 100.0 10.2

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

N 5.0 1.1 ,6 ,2 ,1 12.7 11.9 • 1 1.7 3.6 NNE . 6 . 9 . 7 1.2 . 2 • 2 3.9 9.9 ME 1.0 . 7 3.4 ENE 4.5 • 2 9. £ ESE 1.4 2.1 6.5 12.5 . 7 • 1 • 3 SE 1.7 2.2 2. 1 A . 1 10.0 . 6 . 6 1.0 10.5 SSE 1.9 2.2 . 1 • 2 1.4 6.9 S 2.7 1.0 1.7 . 6 . 1 10.9 SSW 2.2 • 2 . 4 . 8 4.1 11.6 SW . 4 • 3 • 9 1.0 7.9 9.3 WSW . 3 • 2 1.0 . 2 10.4 ٠, . 7 10.7 • 6 1.0 1.4 2.3 . 6 1.3 . 1 6.6 15.6 . 1 NNW 17.9 CALM 32.0 TOTALS 15.3 13.4 5.0 . 7 . 1 100.0 11.2

GLOBAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOUNLY OPSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT ATS NO

STATION NUMBER: 727675 STATION NAME: MINGT AFS ND PERIOD OF RECORD: 78-87
HONTH: APR HOURS(LST): 1500-1700 WIND SPEED IN KNOTS DIPECTION | IDEGREESI | 17-21 22-27 28-33 34-40 41-47 ME AN 7-10 1 1- 16 48-55 TCTAL •2 •2 •1 12.: 1.3 1 . 3 3.6 4.7 12.2 11.6 . 9 . ? NNE 1.0 . ? 5.3 1.2 ç • P 1.0 ٠. ۵ . 2 ME . 6 • 6 . 6 1.9 1.0 FNE .6 . 7 . 1 4.5 Ł 1.1 1.8 • 2 9.6 E.SE 11. 1.7 SE 1.4 2.1 7.9 10.6 2.0 2.1 . 7 SSE 1.1 10.3 2.1 3.1 . 8 S . 6 1.0 11.4 55# - 4 . 9 1. 3 . 2 5.1 • 2 10.0 Sw . 3 .6 . 4 . 1 . 1 4.7 1. 7 . 2 4 S W . 6 1.6 . 9 ۹., . 8 12. * 6 N d . 6 1.5 1.7 1.3 15.5 . ? 14.1 VARIABLE ! CALM TOTAL 5 100.0 11.2

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

: CROJJA 30 CD103q

STATION NUMBER: 727675 STATION NAME: MINOT AFB NU

MONTH: APP HOURS (LST): 1800-2000 J WIND SPEED IN KNOTS 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 DIRECTION | TCIAL HE AN 1 WIND IDEGREEST ! .4 .2 .2 10.8 1.0 1.6 2.7 4. 10.1 . 1 A . 6 1.3 6.1 NNE 1.4 2.0 . 8 ME . 9 . A • 3 3.2 5.8 FNF 1.0 . A 2.8 7.1 2.7 2. 7 • 3 A . 3 9.2 f SF . 7 . 7 9.3 2.4 2.4 SE 1.0 • 6 2.8 • 2 7.9 7.5 . 9 3.1 1.1 . 1 5 S E 2.4 5.0 9.2 5 . 7 1.9 1.0 1.1 . 3 1.2 5.3 . . 554 . 4 . 4 . 1 S m . 3 . 1 2.2 4 . 6 . 4 • 2 2.0 6.5 3.9 R . 4 11.2 1.2 1.6 . 7 1.7 2. 4 1.2 . 7 9.7 11.2 NW 2.7 1.0 2.2 CALM 4.1 //////

1.9

6.5

• 3

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOUNLY OBSERVATIONS

ath atachts Statistines

STATION NUMBER	: 127675	STATION	NAMÉ:	MINOT EF	3 ND				PER10D MONTH:	OF RECOR		-87 -	? 3 00
	• • • • • • • • •	•••••		• • • • • • • •			IN KNOTS		• • • • • • • •	• • • • • • •		• • • • • • • • •	
DIRECTION (DEGREES)		4-6	7-10	1 1~ 16			28-33		41-47	48-55	Ģ€ 56	TCTAL	₩£ & ħ ₩ 1 ħ U
N (٩	2.5	2.8	. 9	.1	• • • • • • • •	• • • • • • • • • • • • • • • • • • •	.1	• • • • • • • •	• • • • • • • •	• • • • • • •	7.6	ь "
NNE !	1.0	. 9	1.4	. 7		• 7	• 1					4.,	٠ 1
NL I	. 8	1.4	. 4	• 2								2.9	5
ENL	. 6	1.1	1.4	۰۹								4.3	7.7
آ ا ا	• :	1.5	3.1	1.0	• 1							6+3	F • 2
f S E	. 4	2 - 1	2.4	2.6	. 7							8.2	9.7
S Ł	2.4	3 • 9	2.4	. 9	• 1							10.1	6.3
SSE	2.6	5.2	1.3	• •	. 1							10.1	۲, ۴
S I	1.4	3 • ?	۰.	. 9	. 3							6.8	6.6
< S to 1	. 9	. 4	. 3	. 4								2.9	6.0
S at 1	. 7	1.7	-1	• 1								2.2	4.,
⊌ S₩	. 5	1.0	.?		. 1	. 1						2.3	6.2
•	1.4	3 • 0	2.1	• 1	• 2	. 1						7.3	6.1
w Nu		1 - 3	2.0	. 4	. 6							5 • 1	p • n
Nese		1.1	2.7	1. 7	.8							7.0	10.4
NNs		1.4	1.9	1.1	• 2	•2						5.1	9.6
VARIABLE	• • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • •	• • • • • • •	• • • • • • •	••••••	•••••	• • • • • • •			• • • • • • •	• • • • • • • • • • • • • • • • • • • •	
	i ! <i>!!!!!!!!!!</i>	11111111	11111111	,,,,,,,,,	,,,,,,,,	,,,,,,,,,	////////	1111111	///////		,,,,,,,,	a.q	111111
TOTAL	 15•1 	31.9	26.2	13.2	3.3	۰,۰	. 3	•1				130.0	6.9

GLOPAL CLIMATCLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOUNLY OBSERVATIONS

STATION NUMBE	F: 727675	STATION	NAME:						MONTH:	APF	D: 7º POLRSILS	T): AL	-
OIRECTION IDEGREESI	ĺ	4 -6		11-16	17-21	ND SPEED 22-27	IN KNOTS 28-33	34-40	41-47	48-55	GE 56	TCTAL 3	ME A N #1 N U
N	! 1.1	2.1	2.8	3. 3	. 7	.3	. 1	i		•••••	• • • • • • • •	10.5	10.2
NNE	.9	1.0	1.1	• ¢	• 2	• 2	• 0					4.4	គ្.ព
NE	.6	1.1	• 6	. 2	.0							2 • *	٠.9
E NE	.5	ه .	٠,	• 6	.0							2.9	7.5
E	l .6	1.6	1.9	1.4	• 2							5.7	F . 4
ESE	.5	1.7	2.0	2.4	. 9	• 1						7.6	10.2
SE	1 1.2	2.2	2.1	1.9	.6	• 1						4-2	e , 7
S S E	1 1.1	2 • 5	1.7	1.2	. 3	• 1						5.9	7.5
\$. 9	1 . 7	1.5	1.6	. 4	•1						6.2	٠.٥
SSW	.4	. 7	. 9	1. 3	• 2	٠,						3.6	9.6
SW	1 .5	1.0	. 7	. 7	•0							2.9	7.4
wsw	1	1.4	1.1	. 7	- 1	.:						1.9	7.5
	1 1.2	2.2	2.2	1.6	. 4	• ?	• ?					7.9	6.7
₩ N ₩	l 1 .5	1.4	1.5	1.6	1.0	.4	• ٦					6.4	11.C
Pr w	1	1.5	2.0	2.3	1.2	•5	• ?					7.9	11.6
PJ Na to	!	1.7	1.7	1.9	1.C	. 6						6.8	11.7
	i •••••••							• • • • • • •					
VARIABLE	1												
CALM	İ <i>,,,,,,,</i>	///////	1111111	11111111	///////	1111111	,,,,,,,,	//////	,,,,,,,	,,,,,,,	,,,,,,,	c • d	111111
TOTALS	11.5	23.9	24.7	23.6	7 . 3	2.7	. 1	. 1				1.0.0	e e
	•••••••			• • • • • • • • •									

GLOHAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: HINOT AFE NO

PERIOD OF RECORD: 78-87 MONTH: MAY HOURS(LST): 0000-0200 WIND SPEED IN KNOTS 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 DIRECTION I 1 - 3 4 -6 7-10 11-16 TETAL MEAN EDEGREEST | wIND N 1.2 7.4 1.3 . 4 1.7 . 9 1. 7 4.3 ٠.6 NNE . 5 . 9 . 2 2.5 NE • 5 . 4 . 1 7.2 ENE . . 3.3 F . 7 1.8 . 6 E . 9 1.7 2.3 . 5 5.6 t . 9 7.3 f SE . 9 2 . 3 2.7 1 • i 6.9 SF 1 . 8 \$ 5 E 2.9 5.7 1 . C 1.1 . 6 . 1 6.1 9.2 1.6 5 2.3 3.3 1.2 1.5 . 9 . 1 c. 3 1.0 1.5 • 1 7.3 SSW 1.1 . 4 . 3 4.0 Sw 1 . 3 1.3 . a . 1 6.1 5.2 WSW . я 2.6 1.3 ٠, 6.1 7.2 2.4 2 . 4 1.2 . 3 t.7 ٠, 2 • C . 1 5.5 7.1 ٥.6 8.1 1.0 JARIABLE. CALM 8.7 ///// 100.0

GLOBAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIPICTION VIRSUS WING SEETS.

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PEDIOD OF TECORD: HOURS(LSTI: DRUN-0510 DIPLOTION | 1-3 4-6 7-10 11-16 17-21 27-27 28-33 34-40 41-47 48-55 GF 56 T(TAL MEAN (DEGREES) | ı N. 2.0 2.8 1.8 . 1 . 1 ٠.5 1 • 2 NNE • 9 1.2 . 5 . 1 10.9 Nf. • 3 • 3 . 1 H.0 2.7 7.7 . 1 . 9 £. 1 . 7 5.4 7.7 FSE 1.5 2.0 1.0 8.0 (4 2.0 SE 1.8 1.7 . 1 . 1 6.2 4 . 3 SSE 1.1 • 8 • 2 ٠.9 2.7 2 . 3 6.3 2 . ? 4. . . 5 1.0 1.1 . 4 1.0 1 . 7 SSW 1 - 1 1.6 1.3 1.0 . 2 . 1 4. 7.7 1 - 1 1.9 . 2 5 . 1.3 • 2 1.6 • 5 . 1 c . 3 • . . a . 2 9.6 2.5 1.9 6.3 NNE 1 . * 2.4 1.1 5.0 7.4 CELM TOTALS 1 7 . 7 160.0 2.6 1.1

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED.
FROM HOLRLY OPSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB NO

PERIOD OF RECORD: 78-87 MONTH: MAY HOURS (LST): D609-0600 ■IND SPEED TN KNOTS 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 DIRECTION I 7-16 1 - 3 4-6 (DEGREES) | W1 NO F .7 1.1 4 . 7 1.5 . 2 ANE , E 1.4 . . • 8 . 1 3.4 11.6 , 9 . 2 NE . €. . 5 2.6 ۹., ENE 1.4 3.0 7.8 Ε 2.4 1.7 6.9 7.5 f SE 1.0 B . 2 1.0 6.9 1.5 1.5 2.9 1 • B . 1 8.0 7.8 5 S E 1.9 1.5 1.1 1.9 . 2 6.5 8.0 1.2 1 . 4 1.3 1.3 . 1 7.8 5.3 55 w . 5 1.5 1.2 1.0 • 5 5.4 ۹.۵ SW 1.4 . 6 1.4 . 6 4.5 7.1 45-1.3 1 - 3 .. 7 5.3 ç . 1 1.7 1.2 1.4 6.6 6.0 NNE 9.7 1.3 5.5 1.9 1.3 1.9 . 4 • 2 6.2 9.9 NN. 1. 5 7.9 . 1 VARIABLE I CALM 9.2 ////// TOTALS 100.0 7.7

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS ND

PEDIOD OF DECORD: 78-87
MONTH: WAY HOURS (LST): 0900-1100 I WIND SPEED IN KNOTS DIPECTION ! 1 - 3 7-16 11-16 17-21 22-27 29-33 34-40 41-47 48-65 OF FE TCTAL ME F. 10: GREES) 1 #186 N . 6 1.5 4.6 3. 9 • 3 11.4 10.1 , 9 . 0 1.3 . 4 NNE 1.3 4.5 · . . NE . 1 ٠ ٩ • 6 1.2 • 2 1.0 10.4 ٠,٠ ENE . 9 1.3 ٤ • 6 1.2 2.7 3.2 . 1 ٠., 1.5 . 2 ESE 2.2 . 3 • 7 1 . 6 . 1 6.6 10.4 ٠, . 6 2.7 . ? ٠., 2.5 . 1 SF • 0 11.1 SSE 1 • 1 1.3 1.5 2.8 1.2 . 3 . 1 11.4 4.0 S . 5 1.4 2.2 . 8 • 5 9.5 10.0 554 . 1 • 6 1.7 . 6 • 5 . 1 5. H 1:.7 SW • 2 • 3 . 9 1.3 • 3 ٠.. 11 + 2 2.0 . 1 12.1 . 1 1. •9 . 2 1.4 1.7 . 4 . . 5.2 • 6 . 9 . 7 ۹. 1.2 1.0 1.5 . 2 6.3 14.3 NH • 2 11.9 . 6 1.5 . 6 • 6 NNh 2.0 . 8 10.1 3.4 ////// TOTALS 28.3 32.7 3.3 . 9 100.0 10.5 15 - 1 8.8

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OFSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINUT AFS NO

PERIOD OF RECORD: MONTH: MAY HOURS(LST): 1730-1400 DIFECTION I 17-21 22-27 28-33 34-40 41-47 48-65 GE 56 TETAL (DECREES) ! ı ⊎iNU 4.2 4.4 1.1 .3 11. 11.2 NNE 1.7 1.2 1.5 . 3 4.6 ٨E 1.2 ۶.۶ FNE 1.5 s • 1 • 1 • 9 . 9 ! SE . 4 1.7 2. 1.1 . 1 7.0 11.0 SF 1.3 2.7 1.9 . 9 . 1 F . 1 11-1 5 5 E . 5 1.4 2.9 1.6 × . 1 14 . 7 S . 4 3. 4 1.0 12.5 554 . 4 1.4 11.0 SW 2.2 • 2 11.9 1. 4 . 1 5.5 13.3 . 4 1.9 1.1 1.2 13.7 . 6 6.2 NW . ì 1.3 2.5 12.2 1.1 1.2 . 1 6.2 12.0 1.0 . 1 CALM 2.6 ////// 3 % . 1 1.1 100.0 11.5 11.4

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATION: GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#IND SPEED IN KNOTS

#IND SPEED IN KNOTS

#IND SPEED IN S (DEGREES) 1 7.2 1.6 .3 10.0 11.6 NNE . 1 1.3 2.0 1.5 . 3 . 1 5.4 6.3 . 4 4.2 9. 1.5 1.2 1.8 1.4 5.7 ENE . 2 , ¢ 1.0 1 • C . 2 3.2 7.8 . 5 H.A E . 5 2.6 2.3 1. 9 10.5 1.3 . 3 . 1 6.6 1.8 2.2 ESE 1.1 2.4 2.3 • 5 17.1 SE 13.4 2.5 1.6 . . . 3 1.8 SSE • 5 s 2 . . 3.0 9.2 1. • • • • 1.1 15.7 • 1 0.2 . 3 .5 . 5 . 1 4.3 13.0 1" .2 1.1 1.0 . 4 . 5 4.4 1.1 1.7 1 . 2 LNE 1.0 1.6 . 1 5.9 13.6 No 1 . 3 1.0 2.0 1.6 ٠,٩ 6 . F. . 5 7.3 12.5 7. 1 NNE . 1 1. 7 1.4 . 1 CALM 3.9 ///// . . 29.2 13.1 5.6 1 • 6 100.0 11.4

GLOBAL CLIMATOLOGY BRANCH LSAFETAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VEHSUS WIND SELECTION OF SERVATIONS

AIR WEATHER SERVICE/MAC

PERIOD OF RECORD: 78-87

MONTH: MAY HOUPS(LST): 1800-2300 STATION NUMBER: 727675 STATION NAME: MINOT AF3 NO | #IND SPEED IN KMOTS DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-23 41-47 44-5 06 56 IDEGREES! 1 ì w150 10.2 NNE . 9 1.0 1.1 • 6 • 1 6.2 1.6 10.0 7.9 NŁ 2.0 1.6 1.1 1.3 Ç . R 1.7 1.5 ENE • 2 • £ E ٩. 2.3 2.5 1. 7 7.4 ٠., 1.0 1.5 7.1 1.5 . 4 ٠, E. S.E. • . . 4 9.4 SE . 9 1 • 8 7.4 1.7 . 1 SSE 1.1 1.9 7.1 10.1 5 1.7 1.2 . 6 10.7 55 # ₩.¢ Sw . • . 1 7.7 . (, r . 1 11 • * . 9 . 1 WSW 1. . , A . . ٠. . 4 . 4 : . 1 17.1 L N H . (1. 7 1.0 11.1 17 - 3 H. ~ NW 1.6 2.5 9 4.9 NA • 1 VARIABLE 1.3 ////// CALM 1.1 100.0 Ç,Ç TOTALS 7.1

GLOBAL CLIMATOLOGY BRANCH LSAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

PERLOW OF RECORD: 19-87

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

MONTH: MAY HOURS (EST): 2100-2366 | WIND SPEED IN KNOTS | DIPECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 14-40 41-47 48-55 GE 6 T(TAL MLAN IDEGREES! | wIND . 9 F.2 1. ^ NNE ٠,9 ٠.٠ ΝE 1.1 2.2 • 1 7.7 1.2 ENE t. . 6 1.9 1.7 . 5 E 2.4 . 1 t . 7 F - 1 2.7 ESE . 8 2 - 3 2.9 1.5 . 1 SE 2.5 1.6 . 1 1.3 SSE 1.6 1.2 . 1 ۰, 5 1.2 1.2 F . F 554 . 9 ٠,٠ . 1 L.A 3.3 1.1 . 1 1 - 3 ٠. ٠, ς 2.0 , я . 2 7.0 1.0 . . 5 . 1 WNW 2.1 1.4 . 0 7.7 fo to NNW . 1 . 1 9.0 VAHIABLE CALM 7.3 ////// TOTALS 160.0 7 . C

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

STATION NUMBER			NAME:						MONTH:		D: 79 HOURSILS	-97 7): Ali	L
		•••••		• • • • • • • •		NU SPEED			• • • • • • • •	• • • • • •	•••••	• • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
DIPECTION IDEGREEST	1	4-6	7-10		17-21	27-21	28-33		41-47	48-55	GE 56	T(1AL %	MEAN W1%E
N 1	3	1.5	3.6		. 7	.1	• • • • • • •	• • • • • • •	•••••	••••••	••••••	9.6	9,6
NNE I	.5	1.9	1.2	1.7		-1						4.6	٠.g
NE I	. 6	1 - 1	1.1	. 0	• 2	• ^						3.8	F . 7
F NE	• 1	• 6	1.3	• •	. 1	٠,							e
E !	٩.	1.0	2.3	2.5	. 1							7.7	۴.4
ESE	. 9	1.9	2.3	1.5	. 5	•2	• ^					7.2	F . A
se !	1 - 1	1.7	2.5	1.6	٠, ٦	٠,	- 1					7.7	A . A
SSE	1.0	1,8	1.6	1.7	. 7	•2	. 1					7.1	٠.٥
s	1.5	1.6	1.7	;	. 6	.?	• ^					7.7	٠.٥
< S to	. 5	1.2	1.1	. 9	. 3	• 7						4.1	٠.٥
S ## !	. 6	1.0	•¢	• 0	. 1	.1						1,1	6.0
₩ S w	٠.	1.2	1.1	1.1	. 3	•1	• ^	• !	•			4.4	٠.6
• I	1.0	1 • e	1.2	1.1	• 6	.3	. 1					€.1	5.7
W N W	. 7	1.3	1.1	1.2	. 7	•5	. 1					٠.6	1 C + P
NW I	• 4	1.5	1.5	1.6	. 7							6.1	10.5
NNW 1	• 5	1 - 3	2 • 1	1	. 4	•1	• 0	• :				6.1	G . B
VARIABLE	••••••		•••••	• • • • • • • • •	• • • • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • •	• • • • • • • • •	• • • • • • •	•••••	•••••	•••••
1	11///////	11111111	11111111	11111111	////////		,,,,,,,,,	,,,,,,,	11111111		11111111	6.5	,,,,,,,
10 TALS 1	11.7		26.7	23.4	ۥ1	2.5		•:		,,,,,		100.0	A . A
į	·				• • • • • • •								

TOTAL NUMBER OF ORSERVATIONS: 950

STATION NUMBER	: 121615	STATION	NAME:	MINOT AF	3 ND				PERION MONTH:	OF RECOR	-	-e7 	i ti
		• • • • • • •	••••••	• • • • • • • •	u I N	D SPEED	IN KNOTS		• • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • •	
DIRECTION IDEGREES)		4-6	7-10		17-21	22-27	28-33		41-47	4 4 - 5, 5,	¥£ 56	TCTAL	ME A N W I N D
N [, 7	1.5	1.1	. 4	.1	••••••	•••••			•••••		4.2	f .4
NNE	• 3	. 9	1 - 1	• !								2.7	7.0
NE	. 7	1.0	• 3	.,								7.3	٠.4
ENE	.6	1 - 2	. 7	• .								2.1	(• a
Ł	. 5	1 . 4	• 9	. 7								3 . A	f .4
ESE	. 9	1.4	1.2	. 1	. 1							7.4	٠.٠
3.5	1.6	4 • C	1.0	. 4								7.3	٠.،
< SE	1.7	2.9	1.1	1.0								6.7	6.1
5	. 9	3 • C	1.4	• B	?							f *	ه. ي
5.S.W	• 3	1 • •	. 9	. !	. 1	-1						7.4	1.4
SW	1.2	2.4	1.7	. 3								٠. ٢	٠, ٦
NSW	1.2	3 • 2	1.6	. 3								6.1	c . t
w	2.4	7.1	2.6	1. 1	• 2							17.5	€.1
to No.	1.7	2 • 9	2.0	1.2	• 2	.4						A . 4	۹. ۲
NW	1 - 3	1.0	1.2	1.3	. 4	•?						6.E	F , 7
*I No isi	. 6	1.7	1.1	1.1	.1							4.7	۴.7
VARIABLE			•••••	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • •	•••••	• • • • • • •	• • • • • • • •		
	i . , , , , , , , , , , , , , , , , , , ,	,,,,,,,	////////	11111111	,,,,,,,	1111111	,,,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	,,,,,,,,	11.	111111
TOTALS	 	38.4	20.2	12.7								100.0	

USAFETAC AIR WEATHER SERVICE/MAC STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VEHSUS WIND STEED FROM MOUNLY OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY ORSERVATIONS

STATION NUMBER: 127675 STATION NAME: MINCT AFT NO

IDEGREES! ! .181 . 4 ٠, NNE . i . . 4 1.0 • 6 Νŧ FNE . 6 1. . ٠,, 1.0 ٠, 6 1. 4. . 1 E r Sŧ . . 1.1 . : 4.4 1.7 1 . 7 ٠., ٠., SE 1.5 6.6 1.0 ٠ ١٤ ٠ . . . 1 - 3 2.7 1.3 5 1.5 1.4 1.1 4.7 ٠.,, 556 ٠: 1.6 . . 1 . . = **45**4 1 - 1 1. . 2 . 1 3.0 6... 4.5 4 1.4 1 • * . . 1 W 74 m 4 . f 2.6 . . . 1 , . r • 7. . 40 1 - 1 1.9 1.1 . 4 N.N. i., 1.1 . 1 4.6 VARIABLE CALM 1:.2 ////// TOTALS 4.7

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SELECTION.

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PERIO, OF ME SHOEL THEM?

MONTHS OUR HOURS OF STATE OF THEM

									MONTH:	(a) F.	HD002114	11: (60%)	28.00
		•••••	• • • • • • • •	• • • • • • • •		n speed	IN KNO 15	• • • • • • • • >	•••••		•••••	• • • • • • • • •	
DIRECTION		4 -6	7-12	1 1- 16	17-21	22-21	28-33	34-40	41-47	q s a c 5	ut "t	TįT∆į \$	μίλι. π1 ⁵ -ί
N	1 6	2.3	2.0	1+ 3	. 1		••••••		• • • • • • • •	• • • • • • • •	•••••		7.5
PoNE		1.7	. 0	• .								7.4	
Nŧ	.4	• 9	. 4	• ?									* • 1
ENE	. 7	. 7	• 2	• 5								1.9	٠
ŧ	.,	1 • 2	1 • C	• 5								1,4	
. 28	1.7	1 • *	1.9	1.1								٠.٠	7
31	1.1	2 • 2	1.4	. 6								F . *;	
5.54	1.5	1.4	1.0	1.0	- 1							* • 1	, , a
5	1.7	1.1	2.0	1 - 1	- 1								••
. 2≜	1 .6	• *	٠٠	• 1	•.*							·	٠,٠
•	. ,	1.1	• ¢	:•.									* • •
No. St. ad	1.2	1.9	٠.	• t-								4,4	٠.~
-	1.7	₹.2	4.7	2.0	·.'							11.	٠,٠
te Nom	1 .6	: • ·	4.0		. 4	• •	. 1					17.2	
NW	!	1.7		• "	.,	• '						٩. ٣	1 -1
Po Nead		. •	i • *	. • *	• *	•:						7.1	10.*
VARIARLE	• • • • • • • • • • • •	• • • • • •	•••••	• • • • • • • •			••••••	• • • • • •			• • • • • • •	• • • • • • • • • • •	
	1 / / / / / / / / / / / / / / /	////////	,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,	///////	,,,,,,,,	,,,,,,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,	1 7.1	1:11:1
TOTALS	15.3	24.		15.7		. 4				. ,,,,	,,,,	100.0	7.1
	 • • • • • • • • • •												

PERCENTAGE FREGUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEEL FROM HOWKLY OPSERVATIONS

ILEGREEST ! **≈** 1 % i 2 0,4 1. 7.4 1.4 1 • 9 NA . 4 , ç 1.1 1. . . 1 1.4 F . f. NF . 4 , , . . 4 . , 1.2 . 9 :. t." FNE 1.0 - . -1.6 . 3 L . : . , 156 . 4 . 9 1.1 ٠. ^ 2.1 1. ų . · · . ' 4,8 1.9 1.4 . 1 . 1 ٠ ٥ 1.7 . . . 5.51 2.0 1. 7 . 6 ... 4. . 4 1., 2.7 . 1 7.1 ٠., • • • SW . 4 Ģ 1. " 1 . . 7.4 2.3 , 4 2.4 1.1 . . 11.4 . . 7 1'. A . 7 1.4 , , . 7 LNE . 4 . . . 4 . . 4.7 12.4 1.0 1.4 5, 0 11.1 N. 1.2 . 1 . 6 11. A to a . 6 1.6 2.1 1. 7 1.1 VERTABLE CALM 4.2 ////// 1.4 6.7 100.3 . . . TOTALS

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WINE SIMECTICA VERSUS WIND SPEED FROM HOWILY CREENVALIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

rening of accord: 74-67 MONTH: JULY HOURGIESTI: 12_0=1415 wt #1, TOF GREEST T t •1 •. 2.4 1. ' . 4 . 7 ٠,, NNF 1.4 1.0 1.1 • 1 ٠, ٠ ٠.. ٠., h (1.1 . 7 . . ٠.٠ 1.7 • 9 . . -1.0 . 4 c. . . ŧ F 5.6 1.1 ٠., . 7 • 2 1.0 2.6 . 51 151 ٠, ٠. ٠ . 7 1.4 2.5 . . 1 1 1.0 ٠. ~ . • 1.4 1.6 . . 1 : • ' 1. " < 5 m · . . . 1 1.1 . . : - . . 1.4 ' . ` . 7 . 1 . . : 1.1 3.4 4., 1.6 • 1 1. •1 ٠, ٠, 🕳 1.7 ٠. . 1.6 . ' 1:.2 TARIARLE CALM TOTALS 1. 27.23 . 7 . 1

TOTAL NUMBER OF CHSTRYATIONS -

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOUNLY OPSERVATIONS

79-R1

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PERIOD OF RECORD: PER 100 OF RECUPU: 79-87

MONTH: JUN HOURS (LST): 1500-1700

I BIND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 26-33 34-40 41-47 46-55 GE 56 T(TAL MEAN 10EGRES) (. . ; 9 3 7.5 3.3 • 6 1 - 7 ç • 1 3.4 6.4 NNE 1.2 2.7 6.2 **N** 1 . 3 . 7 . 1 3.9 7 N. . 7 1. 1.0 • 4 £ . Q ٠, ۶ . 7 5.2 1.7 . 1 1.1 . 9 1.4 7.1 . 1 F 5 E . 4 1.7 . 9 • 1 ç . 1 6.4 31 1.5 2.4 1.3 .6 - 1 451 7. 12.7 1.5 1.0 . 1 ϵ . : 11.0 3.7 10.7 1.5 • 3 3.4 4.2 5. 1.6 . t. • 3 . -. . 9.0 • 3 4.5 a 1.6 1.1 1 * • 4 4.4 1.4 1.2 . 4 . 1 . 4 . 4 i.6 - 1 1.7 4.7 2.0 i L. a 1:.7 ... • , . . 1 .5 . 2 Q . A fe es 3. 7 1 . ? ٠, 17.1 f. f. w 2.7 13.2 VARIABLE I CALM 3.2 ////// 160.0 10.3 TOTALS 17.0 30.0 27. 6 12.6 3.3 . 3

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB NO

PERIOD OF RECORD: 79-87 #IND SPEED IN KNUTS

DIPECTION | 1-3 4-5 7-16 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN (DEGREES) 1 N 1 1.1 2.4 3.6 1.5 .2 2 . 4 3.6 NNE . 7 1.2 5.1 7.3 1.0 • b 3.1 £. a ΝE . 7 . 7 . 9 7.3 1.0 1.0 . 1 ENE 7.3 E 1.1 1.8 2.3 1.1 6.3 7.7 ۶.٦ 1.1 FSE . 6 1 . 7 4.1 . 2 7.7 SE 2.8 . 3 6.5 • 2 5...3 9.0 555 - ? 1.2 1.7 2.1 . 1 5.4 7.9 5 . 7 . 1 1.9 7.2 • 2 • t . 9 2.9 8.7 . 6 . 6 . 1 . 4 1.4 1.2 1.0 • 2 ¥.9 WSW • 1 9.3 8.4 2.0 ٠, . 7 . . 2 2.8 .6 . 2 P . 7 10.ª KNW 2.0 2 . 7 1. 9 1.7 . 1 10.9 €: H 1 . 9 3.0 4.3 . 4 • 2 . 2 17.6 NNW 10.0 VARIABLE 4.0 ///// CALM 100.0 F .5 TOTALS 3.9 1.7

GLOBAL CLIMATOLOGY DRANCE PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SHEED USAFETAC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

		. .							MONTH:	200		511: 2100-	2360
I DIRECTION I DEGREES) I	1-3	4-6	7-10		17-21	22-27	IN KNOTS 2°-33		41-47	48-55	GE 56	1 (1 A L	ME AN
i	1.2	2.1	1.7	. 7	• • • • • • •		• • • • • • • •	• • • • • •	•••••	•••••	••••••	5.7	6.8
NNE !	1 • 1	1.1	• 3	• 2	.1							2.9	5.2
NE [1 • 3	• 8	1 • 1	• 2	. 1							3.6	5.0
L NE	1 • 2	2 • 2	• 9	. 4								4.8	5.7
	1 • 2	2 • 6	• 7	• 1								4.8	4.8
ESE	• 9	3.3	3 • 6	1.2		• 2	• 1					\$. 4	7.8
SE	1 • 2	5 • 7	1.4	. 4								я.я	5.7
55E	• 1	3 • 1	1.1	• 2								5 • i	5.4
s	1 • 1	3 • 7	1 • 3	• ¢								7.3	6.0
SSW 1	. 6	2 • 1	. 4	. 1	• 2							3 + 4	6.1
SW i	. 8	1.7	1.0	• 3								3 • 9	5.7
WSW	1.0	3 • 3	1 • C			• 1						5.4	5.5
• 1	2.7	4.9	1.9	. 6	. 4	.1						10.2	6.1
WNW I	1 • 4	3 • 4	1 • 1	1. 1	• 1	• 2						7.4	€ • ₽
NW I	• 6	2 • 2	1.7	1.1	. 3	.4						6.6	8.3
NN I	• 1	• 8	•8	• 7	•1							2.4	9 • €
VARIABLE !	• • • • • • • • •		• • • • • • • •	• • • • • • • • •	• • • • • •	•••••	•••••	• • • • • •		•••••	• • • • • • •	• • • • • • • • • •	••••••
CALM	,,,,,,,,,	//////	,,,,,,,,	(11111111	1111111	,,,,,,,,	,,,,,,,,	111111	,,,,,,,,	1111111	,,,,,,,	/ 8.4	111111
TOTALS	16.9	43 • 2	20.2	8.3	1.4	1.3	. 1					100.0	5.9

GLORAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREGLENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

PERIOU OF PECUPU:

AIR WEATHER SERVICE/HAC

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

#IND SPEED IN KNOTS

DIRECTION 1 1-3 4-6 7-10 11-16 17-21 22-27 28-27 24-77 27-77 17-21 22-27 28-33 34-40 w150 IDFGREESI ! N 8 2.3 2.1 1.2 6.6 . 7 NNE 1.2 . 6 . 1 3.5 6.8 ٠, • 0 7.8 . 7 . 4 £ .4 ΝE . 7 1.3 . 8 • 5 • 0 3.2 F . 4 ENE . 7 • 2 7.4 Ł 1 • 5 1.3 • 7 • 7 ESE 2.0 . 1 • 0 5.4 7.5 SE 1.0 • 2 • 7 7.1 . : SSE S 1.0 • 2 SSW ..0 • 8 7.1 Sk . 7 1.2 1.2 . 6 . 1 2.0 1.2 . 1 • 0 h 5 w • 8 6.9 2.9 7.3 . 2 10.8 3.7 . 1 .0 .5 • 2 WNH 2 . 3 2.4 2.3 • 6 1C.4 NW . 4 . 1 10.4 NNw 15.7 VARIABLE 1 CALM 7.1 ////// TOTALS 25.9 1.5 . . . 1 100.0 7.9

PERCENTAGE FREGUENCY OF OCCURRENCE OF SURFACE WIND DIPECTION VERSUS WIND SFEED FROM HOURLY OPSERVATIONS

STATION NUMBER	: 727675	STATION	NAME:						MONTE:	JUL	-	i): 0000-1	32 C C
DIRECTION FDEGREEST		4~6		1 1- 16	17-21	0 SPEED 22-27	IN KNUTS 28-33	34-40	41-47	48-55	GE 56	TC TAL	MI VO ME A N
٨	1,3	2.4	1.9		• • • • • • •		• • • • • • • • •	•••••	•••••	••••••		5.8	÷ ,b
NNE !	. 5	1.0	• 3	• 1								1.9	E. • 1
Nξ	. 4	, c,	. 4	• 3								1.6	6.3
t NE	. 8	•5	. 4	• 1								1.8	5 . 4
L	. 4	1.1	. 4	. 3	. 1							2.4	£ . S
£ 2 £	 1.1	2 • 5	1.9	. 6	.1							6.2	£ ,6
5.6	1 1.6	3•€	1.0	. 4								6.6	5.1
5 5 E	i I 2.5	3 • 1	1.3	. 4								6.9	s 3
S) } 3.2	2.4	1.0	• 5	.1							9.0	٠.6
SSW	 	1.6	1.0	• 3	. 1							4.8	5 . 4
2 4	l 1 1.6	2 • 7	. 4	• 3		. 1						5 . ?	5.3
WSW) } 2.4	3 • 4	. 4	• 5								6.6	4.4
w	l 1 3.3	5 • 7	. 4	• 1	. 3	• 1						10.0	4.8
WNW	l 1 2.3	2.4	1.1	. 6								6 • 5	5.6
Nu	1 1.2	2 • 3	1.1	• 6	• 3							5.5	6.9
มพพ	1 .8	1.4	1.1	. 4	. 1							3.4	6.7
	! • • • • • • • • • • • • •	•••••					•••••						
VARIABLE	i												
CALM	1//////////////////////////////////////	///////	(///////	(,,,,,,,,	1111111	/////////	,,,,,,,	11111111	11111111	(11//////		
TOTALS	1 24.5	36 • 5	15.2	5. 9	1.2	•5						100.0	4.6

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY ORSERVATIONS

STATION NUMBER	7: 727675	STATION	NAME:	MINO T AF	э но				MONTH:		HOURS (LS	-87 T1: 0300-0	15.00
017ECTION 017ECTION 10EGPE651		4 - 6	7-16		17-21	22-27	IN KNOTS 28-33			4A-ES	ú£ 56	T(AL	MEAN WIND
N	1.6	2 . 2	2.2	• • • • • • • •		• • • • • • • •	** * * * * * * *	• • • • • • •	•••••	••••••	•••••	6.3	5,9
NNE	. 6	. 3	. 8	• 2								1.9	£.4
N£	. 6	• 3	. 1									1.1	۲.7
E i+E	• 9	• 9	• 8									2.5	5.3
Ε	.6	1.4	٠.	. 4								3.7	£ • 1
ESE	l 1 .9	1.5	1.3	. ?								4.0	6.1
SE	1 1.4	3.0	1.4	. 4								6.2	5.5
5 S E	! ! 2.0	2.0	1.0	• 2								5.3	4.6
S	l 1 2.9	2.3	1 • 2	. 3								6.7	4.7
5 S h	l i 1.5	1.5	1 • 2	. 6								4.Р	e, . e
S w	1 1.1	2 • 5	• 6	. ?	. 1							4.5	5.₹
W S W	1 1 2.6	3.2	1.7	• 2								7.7	4.8
w	1 4.7	6.7	1 • 3	. (• 2							13.1	4.9
WNW	1.5	3.9	1.6	• i								7.1	5.2
NW	 1.0	4.4	1 - 1	. H	• 3							7.5	6.5
กหล	l ! .a	1.7	1.1	. 5								3.7	6 .F
	l • • • • • • • • • •												
VARIABLE	!]												
CALM	1//////////////////////////////////////	,,,,,,,	1111111	11111111	1111111	///////	///////	(1)111:1	////////	///////	,,,,,,,	14.3	111111
TOTALS	24.7	36 • 9	18.0	5.3	. 9							100.0	4.7
	• • • • • • • • • •			. 									

PERCENTAGE FREGIENCY OF OCCURRENCE OF SURFACE WIND LITHECTION VERSUS WIND SPEED FROM MOURLY ORSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO PECOLO 7°-P7

MONTH: JUL HOURS (LST): 06-08-08-08

MONTH: JUL HOURS (LST): 06-08-08-08

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-85 65 6 TCTAL MEAN (UE 648-55) 6 #14L COEPHEEZI ! F. E 2.2 . 9 . , . 9 2.4 ٠.٥ KNE • c, 2.3 ٨E 1.0 . 9 4 . 1 2.7 4.6 ENE 1.0 1.3 1.0 ٠. ۴.,۵ ŧ €. • Q 1.4 . 6 . 1 F S E 1.0 1.6 4.7 . 5 1.4 55 1 - 1 1.5 1.6 5.2 5 **5** E 2.4 2.6 1.8 • 3 7.1 5.4 6.5 S 1.7 3.0 1.5 • 3 . 6 • 5 . 4 3.1 6.7 5 S W 3.1 . 4 1.3 . 1 6.1 SW 1.9 6.6 5.3 WSW 2.5 1.6 2 • 5 10.3 6.9 3 . 2 1.1 . 1 3.0 19.3 7.2 3.7 1.4 4.1 WNW 1 . 2 7.3 7.3 1.4 N. 1 - 1 2.6 2.2 . 1 6.6 NNW 1.0 1.7 2.0 . 4 VARIABLE 13.9 ///// CALM 100.0 TOTALS • 1 . 1 33.4 .6

PROCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HUBBLY UBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PEP100 OF FECURD: MONIF: JEL FOLRS(EST): 8930-1100 01RECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-13 34-40 41-47 48-55 GE 56 TETAL MEAN IDEGRZES) [wintN 6.5 1.1 2.5 2.8 . . NNE . 6 1.4 . 3 6.1 NE 1.7 1.1 t . 1 FNE 1.0 . 3 ٠ ، c. , a 2.0 1.7 4.6 €.7 ESE 1.3 1.0 1.0 .] 7.4 SE 1.9 . 9 . . 5.5 7.7 SSL 1.7 2.7 1.5 1.0 . 2 7.2 F • 1 s 1 • 2 2.2 2.2 2. 4 . 2 4.5 F . 6 1.1 . 5 1.4 ٠.١ 554 . 9 . 2 4.1 Sal . 6 1.2 1.7 . 5 4.2 7.4 W 5 m 1.3 3.1 . 1 7.4 2.3 2.4 2.7 1.3 9.5 9.8 ENW . 4 1.9 10.9 NW 7.8 8.9 NNW 8.5 VARIABLE CALM 20.2 100.0

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PEP100 OF PECORD: 78-87

MONTH: JUL HOURSILSTI: 1739-1460

HIND SPEED IN KNOTS

1 1-3 4-6 7-10 11-16 17-21 27-27 28-33 34-40 41-47 48-55 GE 56 T(18L HEAN DIRECTION I IDEGREES! [N N 7.1 2.0 3.2 1.C , a NNE . 9 . 1 6.0 NE 1.1 1.7 5.9 . 3 1.1 6.4 ٤ 1.2 1.4 1.5 4.6 د. ٥ . 2 .1 ESE 1.3 1.9 . 8 . 1 4.6 7.4 2.0 5.6 1.3 1.4 1 • 2 . 2 6.1 ۶.۵ . 7 322 2.7 . 6 1.8 . 5 6.6 R . S s э. Р 1 . 3 2.9 . 9 9.5 9.3 554 . 2 1.3 .6 1.3 • 1 3.5 ٠.٩ Sw **.** a 1.0 ٠,9 1.1 • 1 7.9 ti Su 1.4 1.2 1.4 . 3 1.5 1.7 9.4 W N W 3.2 1.3 . 3 2.9 9.7 1.1 1.4 1. 9 . 4 9.7 NNw 2.7 2.2 . 5 9.3 . 1 VARIABLE CALM 2.9 ////// 6.5 . 8 130.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SEEFS

rigion of sicosh:

STATION NUMBER: 727675 STATION NAME: MINOT AFB NO

#IND SPEED IN KNOTS 17-21 22-27 28-33 34-46 41-47 46-55 GE 56 DIRECTION ! 7-10 11-16 1-3 4 +6 TETAL MEEN IDEGREEST 1 1.0 .3 N NNE . 4 . 2 * , ? F. C ΝE . 3 ٠,0 . 9 . 1 2.2 ٠,9 2.9 1.9 1.0 . i ESE . 8 5.1 a .4 • 3 SE 2.2 ٥ - 1 \$ 5 E 1.0 1 • C A . 5 5 1.7 3.1 .4 5 S ¥ . 9 1.7 . 9 4.3 ٠.5 ٠, SH 1.2 . 8 2.9 F.9 3 . 5 WSW 1.2 . 9 • 6 • 1 7.5 1.0 2.3 1 . 3 • 2 A . 7 10.5 UNE • 2 1.1 2.6 • 2 8.0 11.9 17.9 Ne . 9 1.5 3.5 3. 3 1 • 1 10.4 NNW ¢ . ŋ VARIABLE . 100.0 10 . 3 32.5 22.5 6 • A 1.1

PERCENTAGE FREGLENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VIRSUS WING SPEED FROM MOURLY OBSERVATIONS

PENIOD OF PECOND: 78-87 MONTH: JUL HOURS(LST): 1838-2300 STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

	1-3		7-10	11-16	17-21		IN KNOTS 28-33	34-4C	41-47	44-55	GE 56	1(14)	₩E A N
IRECTION DEGREES)	1-3	4-6	1-10	11-16					41-47	445	GE 30	1	#14P
N 1	2.0	2,6	3 • 2	1.7	. 1	• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	••••	6.9	7.2
1414[, 5	1 - 6	1.4	. 9								4.4	7.3
NE I	.5	. 0	1.4	. 1								2.9	6.3
ENE !	1.5	1.5	1.1	. 3								3.9	٠.6
Ε 1	1.0	3 • 1	2.5	1.1								7.6	6.0
ESE	. 9	1.9	2.3	1.1	• 2							6.3	7.5
SE I	1 • 2	3 • ?	1.7	. 5	• 1							6 • R	6.3
SSE !	1.0	1.4	1.8	1.3	• 1							5 • 6	7 . A
s !	. 8	3.4	2.2	. 6	• 2							7 . 2	7.0
S S W	٠ ٩	2.0	. 9									3 . 7	
Sw I	. 6	• 5	•5	. 2	• 1	•1						2.2	٠.٥
#SW	1 - 1	• 6	. 4	. 2		• 1	• 1					2.6	ۥ4
. .	. 9	1 • 7	1.6	1.1	• 2	•1						5.5	8 - 1
WNW	1 • 3	1.0	1.5	1.5	• 3	• 2						7.0	e . 7
N=	1.2	3.4	2 • 3	2.4	. 3	•1						9.7	P • 3
NNW 1	. ^R	2 • 5	3 • 3	5.0	. 1							9.7	8.1
VARIABLE J	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • •		•••••	•••••	••••••	• • • • • • •		• • • • • • • •	•••••	•••••	••••••
CALM	,,,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,	(11/1/1/	,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	6.1	111111
TOTALS	15.3	32 . 4	28.1	1 t. 6	1.8	•6	• 1					100.0	6.9

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND UTHECTION VERSUS WIND SELECTIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NU

PERIOD OF RECORD: 79-67 MONTH: JUL HOURSELSTI: 21U0-23CU #IND SPEED IN KNOTS

UIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-73 34-40 41-47 48-55 GE 56 EDECRIES) | #1 % LN . 2 NNE 1 - 5 1.0 • 3 2 . A 4 . 7 ΝĘ 1 - 2 1.1 . 4 ĵ., 4.7 ENE 1.1 1.7 1.2 · .1 1.0 7.4 ŧ. 1.3 . 9 2.2 . 3 ESE 3.¢ 7.2 6 . . 1.9 SF • 2 4.1 3 . 7 1.7 3.0 7.7 SSE 2.4 1.1 4.6 5 2.5 . 9 . 4 4.7 2.7 15 . 4 4.5 5 S ¥ 1.5 1.0 . 8 . i 4.5 4.0 2.0 SW 1.1 1.6 . 2 2.6 . 4 • 1 . 1 4.5 6.0 4.5 . 4 . 1 . 1 A . 5 ٠.6 PN. 1.2 • P 4.9 £ .4 1.1 1.5 7.0 . 6 6.2 VARIABLE CALM 14.5 ///// . 1

GLOBAL CLIMATOLOGY PRANCHUSAFETAC

PERCENTAGE FREQUENCY OF OCCUPRENCE OF SURFACE WIND DIRECTION VERSUS WING SPEEL FROM HOUNCY ORSERVATIONS

PENIOD OF RECORDS 79-87

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

#FORTH: UT FROM: 7-87

#ONTH: JLC HOLDS(LST): ACC

#IND SPEED IN KNOTS

DIPECTION | 1-3 4-6 7-10 11-16 17-21 27-27 28-17 34-40 41-47 48-55 68 56 1614. MET.

TOB GREES | 1 w15⊖ I DE GREEST 1 1.2 .1 .2 .7.6 2.4 2 . 7 t .1 NNE 1.0 ٠, . 3 . 7 · 6 4.4 . 7 1.0 . 7 • 1 NE 2.0 ٠, ٢ ٠, ٩ . 4 . .` ENE 1.1 4.5 7.1 • ? Ł . 7 1.7 1.3 . 7 • 1 ε. τ ⁷ • 1 FSE ٠. 1 • 9 1.6 . 7 . I . 5 6.1 SE 1.7 . 7 • 1 1 • 2 £ • E. 552 2.3 1.5 . 7 6.6 1.5 • ? 5 1 - 5 7.7 7.0 2.5 . ? 5 S W 1.0 1.3 1.1 . . . 1 4 . l 6.6 . 9 3.6 € • € 1.5 .0 ٠, SW • 6 h 5 W 1. 2.0 1.2 • 5 . 1 • :: 6.0 9.4 7.5 . , 2 • 1 3 . 4 1.7 1.4 . 1 P.6 7.6 in feet 2.2 2.0 1.7 ٠, . 1 ۹.1 8.4 f. w 2 . t. 2.1 2.0 . 1 ۶.2 NNW 2.3 VARIABLE CALM 9.4 ///// 100.0 24.7 TOTALS 30 . • 11.6 2.9 . 4 • 0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIFFCTION VERSUS AIND SFEFD FROM HOUNLY OBSERVATIONS

PER100 OF WECORD: 79-87 HONTH: AUS - HOURS(LST): 9030-0200 DIPECTION 1 1-3 4-6 7-13 11-16 17-21 22-27 2P-33 34-40 41-47 49-55 66 56 TETAL MEAN (DFGF:ES) I 4150 NNL . 0 . 1 . 1 4 - 1 1.2 . 7 . 2 1.3 . 1 4.5 NE . 6 1.0 2.0 5.6 . 6 ENE . 4 5.1 £ 1.0 1.9 1.1 1.1 7.1 5.7 4 .5 ESE 2.6 1.9 . 9 . 3 2.9 1.0 7.5 4.4 SE 3.1 2 • 6 555 1.2 . 1 . 1 7.5 3 . 4 5 3.0 • 2 . 6 5.5 1.6 3.7 4.0 5 S W . 1 . • 4.3 6.6 Sal 1.6 1.1 2.5 2.9 1.0 6.1 4.3 **►** S # 5 . ? , c, . 1 11.1 5.1 3. . 1.6 7.0 7. 7 6 N 6 1 - 3 2 . 7 1.5 1.1 . 4 NΨ 1.6 2.0 1.5 1.4 • 2 6.8 7.3 7.0 NNW • 1 VARIABLE ! CALM 13.7 ////// TOTALS 100.0 4.7

GLOBAL CLIMATOLOGY BRANCH L SAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SUPFACE WIND DIRECTION VERSUS WIND SEEED FROM HOURLY OPSERVATIONS

AIR MEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AF3 NO PERIOD OF RECURO: #ONTH: AUG HOURS(LST): 0700-0500 #ONTH: AUG HOURS(LST): 0700-0500 | NIND SPEED IN MNOTS DIPLOTION (1-3 4-6 7-10 11-16 17-21 27-27 28-33 34-40 41-47 48-55 GF 56 T(TAL PEAN 10608665) I IDEGREESI NNE 1.0 4.6 ħ٤ ٠ž 1.7 4.5 E NE . 2 , p . 1 5.7 . 1 1.4 Ł 2.4 1.4 . 1 4.3 . 6 5,6 ESE 2.4 2 . 1 1.1 . 1 6.6 SE 2.7 1.0 4.3 5 S F 2.7 6.1 4.4 . 6 ٠,٠, 2.2 1.0 2 . 7 4 . = 5 S # 1.5 1.1 . 3 . 2 3.1 4.7 5₩ 2.4 1.7 4. . 5 . 4 9.1 WSW 2.0 2.4 . 6 . 1 5.2 5. 1 4.6 2.2 . 5 r . 1 HNW 2.9 2.0 2.9 1.6 - 1 Nw NNW . 1 VARIABLE I CALM TOTALS 16.0

2/3 AD-A188 319 UNCLASSIFIED



PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF PECORD:

7 A - 8 7

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

MONTH: AUG HOURS (LST): 0600-0860 WIND SPEED IN KNOTS 17-21 22-27 29-33 34-40 MEAN DIRECTION 41-47 48-55 GE 56 TCTAL WIND (DEGREES) | X. N 3 • 1 5.7 1.8 7.3 . 9 3.9 1.8 NNE ٠,9 . 1 1.5 4.9 . 9 • 3 • 3 ENE • 5 • 2 1.1 5.0 • 3 Ē, . 1 1.4 7.4 • 2 1.9 . 9 6.5 6.6 2 . 4 ESE 1 . 3 6.5 5.3 1.3 • 5 SE 1.7 2.9 . 4 6.6 5.3 1.9 1.5 SSE 2 . 7 s 2 • 2 1.2 1.7 . 1 3.7 6.2 SSW 1.0 1 • 4 • 9 . 4 3.3 6.7 Sh . 9 . 9 1.1 • 6 5.9 4.2 . 8 • 2 • 2 . 9 8.3 6.1 1.7 3.5 2.2 8.7 10.3 4.5 1.6 1.3 . 2 9.7 6.9 NW 1.7 3.5 1.9 7.9 NNE 2.2 1.5 • 2 15.2 ////// 100.0

PERCENTAGE FREQLENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AF3 NO PERIOU OF RECORD: PERIOD OF RECORD: 79-87

MONTH: AUG HOURS(LST): 0900-11CG

WIND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-1C | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | TCTAL | MEAN | (DEGREES) | (DEGREES) 1 WIND 1 7.0 7.6 2.7 1.2 2.4 NNE 1.9 . 1 4.2 5.7 . 1 NE . 5 1.2 . . 9 1.6 3.4 ENE . 6 - 6 . 1 . 2 1.3 2.9 € .4 Ε 1 • 2 1.7 1.7 . 5 6.3 ESE 1.1 1.9 1.3 • 1 4.7 P.9 SE 2.6 1. 4 7.2 7.5 SSE 1.5 P .7 S 3.7 2.0 A . 3 • 3 R . 2 2.3 . 6 • 8 . 2 SW 1.5 . 8 • 8 3.2 6.7 WSW . 8 .6 1.1 • 3 8.4 • 8 1.0 1.2 7.6 2. 9 WNW • 2 1 . 4 2.2 1.2 7.7 11-1 NH 1 . C 2.9 3.5 1.2 10.1 10.8 NNW VARIABLE 1 CALM 5.9 ////// TOTALS 21.7 100.0 7.9

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

ζ

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 1200-1400

IRECTION DEGREES)	1-3	4 -6	7-10	1 1- 16	17-21	22-27	28-33	34-40		48-55	GE 56	TOTAL	ME AN WIND
N !	. 8	2.4	2.8		• 2		•••••	• • • • • • • •	•••••	••••••	•••••	8.2	8.
NNE [• 2	. 9	1.7	. 4								3.2	7.
NE !	1 - 1	1.4	.8	• 2								3.4	5.0
ENE !	. 9	1.3	. 8	. 3	. 1	•1						3,4	6 • 6
E	1 • 3	2 • 2	2 • 4	• 3	• 2							6.3	6.0
ESE	1 • 1	1.8	1.2	1.1								5.2	7.
SE .	1 • 1	1.6	3 • C	1.2	• 2							7.1	7 .
SSE	.5	.9	1.8	2. 4	. 3							5.9	٠. ۶
5	• 5	1.3	3.8	2.7	. 4							P.7	9.
S S W	. 4	1.0	1.6	1.3	•2							4.5	٠.
SW I	• 1	.5	1.3	. 5								2.5	₽.
WSW	• 1	1.3	1.0	.6								3.3	7 .
	• 2	. 9	2.8	. 9		.1						4 . A	ė.
WNW 1	. 4	1.4	2.5	2.3	. e	.*						7.6	10.
NW !	• 3	1.0	2.5	5.2	1.6	1.3						11.5	;3.
NNH	. 5	5 • 0	3.7	2.9	. 9							19.0	10.
VARTABLE CALM	·						 ,,,,,,,,			·······	, ,,,,,,,,	4.5	
TOTALS !	9.6	21.7	33.4	24.3	4.9	1.5						100.0	8.

PERCENTAGE FREQLENCY OF OCCLRRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: MONTH: AUG HOURS(LST): 1500-1700

WIND SPEED IN KNOTS

OIRECTION 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN CDE GREES) | AIND 2 • 3 4.0 3.2 . 1 10.4 8.8 . 8 1.3 . 4 NNE 1.5 4.0 NE . 8 1.5 1.2 . 1 3.5 5.8 E NE . 5 . 9 6.6 E . 1 . 3 5.2 1 . 2 6.4 E SE 1.7 1.5 1.6 5.8 8.3 SE . 8 . 2 1.2 1.0 1.4 5.4 8.4 SSE . 3 1 . C . 5 3.0 1.9 6.8 S 1.4 3.3 2. 4 . 1 7.5 9.3 556 • 6 1.5 1.4 . 1 4.1 8.9 • 3 1.0 . 9 • 1 9 . 3 1.4 3.7 7.3 1.5 2.4 9.8 • P -. 9 2.4 1.1 . 4 7.7 11.7 2.6 NW . 5 2.7 . 4 • 2 10.0 1.0 4.3 10.5 1.0 NNW 4.3 10.0 1.3 CALM 3.2 ////// 1.0 100.0 8.8 28.7

GLOBAL CLIMATOLOGY PRANCHUSAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

PERIOD OF RECORD:

MONTH: AUG

78-87

HOURS(LST): 1800-2500

6.3 //////

100.0

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

WIND SPEED IN KNOTS 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE S6 TOTAL DIRECTION | ME AN ı MIND IDEGREES! | 6.3 2.6 3 - 1 1.6 5.4 NNE 1.3 2 . 2 1.7 . 5 6.4 3.3 4.9 NE 1.5 . . 1.1 ENE 1.7 1.3 1.0 4.0 4.4 £ 1.8 3 . 5 2.4 8.4 6.1 2 . 7 6.7 6.5 E SE S£ 1 - 1 2.9 2.5 • 1 . 6 6.5 7.3 SSE 1.0 2.2 6.9 S 1.9 . 9 . 1 2 . 8 1 . 2 2.6 556 . 8 1.0 . 1 . 8 3.1 5.7 . 6 SW 1.6 .6 . 2 W 5 W . 4 • 6 . 4 . 1 . 1 2.5 7.8 • 9 5.2 1 - 1 . 5 1.2 • 5 . 1 5.7 9.3 1.0 8.8 8.6 NNW VARIABLE

TOTAL NUMBER OF OBSERVATIONS: 927

CALM

TOTALS

PERCENTAGE FREQLENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

TION NUMBER:									PEPIOD MONTH:	AUG	HOURSILS	-87 11: 2100-	
		•••••	•••••	• • • • • • •	ı I	ND SPEED	IN KNOTS	• • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••
DIRECTION (IDEGREES)	1-3	4-6	7-10	1 1- 16	_	22-27					GE 56	TCTAL %	ME AN NINU
N	1,9	3.5	1.3	• 1	• • • • • •	*******	•••••	******	•••••	••••		6.6	4.7
NNE	1.6	• 9	• 6									1.2	4.7
NE 1	1 • 2	1 - 1	. 3	• 1								2.7	4.1
ENE I	1.0	1 - 8	•6	• 2								3 . 7	5.4
E į	2 • 2	3 • 3	2.0	• 3								7.9	5.5
ESE I	1.4	3 • 9	• 5	. 5								6.4	5.3
SE I	5.0	4 • 3	1 • 2	• 5								8.1	5.4
SSE	2.4	3 • 5	1.2	. 4								7.4	5.0
s í	3,6	2 • 2	1.0	. 4								7.1	4.5
SSW	1.3	. 9	.4	. 4								3.0	5.6
Sw 1	1.3	1.0	• 2	• 1								3.1	4.4
usu i	1.0	2 • 5	. 4	. 1								4.0	4.6
· i	3.1	4 • 1	.9	. 4								8.5	4.7
UNU	1 • 3	2 • 7	1.3	. 8	. 4							6.5	7 - 1
NW I	. 4	2 • 9	1.9	1.0								6.3	7.1
NNW (1.0	2.0	1.0	. 5	• 1							4.6	6 • 3
VARIABLE	•	•••••	• • • • • • •	•••••	• • • • • •	•••••	••••••	• • • • • •	•••••	•••••	• • • • • • • •	••••••	•••••
CALM	,,,,,,,,,	,,,,,,,	,,,,,,,	11111111	111111	11111111	,,,,,,,,	111111	,,,,,,,	1111111	,,,,,,,,	10.9	111111
TOTALS	26.3	41.1	15.1	6.5	. 5	i						100.0	4.7

GLOPAL CLIMATOLOGY BRANCH USAFETAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

100.0

6.4

AIR WEATHER SERVICE/MAC

PERIOD OF RECORD: 7 R - R 7 STATION NUMBER: 727675 STATION NAME: MINOT AFB ND MONTH: AUG ALL HOURS (LST): WIND SPEED IN KNOTS DIPECTION 7-10 1 1- 16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN IDEGREES) | ì WIND 2 • 6 2.1 1.1 • 0 7.6 6.5 . 9 . 2 • 0 5.8 NNE . 9 1.2 3.1 NE 1.0 . 7 . 1 .0 2.6 5.1 . 7 1.1 . 7 . 1 .0 •0 2.7 ENE 2.3 1.7 . 6 . 1 5.8 6.4 Ε 1.2 .0 6.5 . 8 E SE 2.3 1.4 1 - 3 . 8 . 1 6.4 6.2 SE 1.7 2 . 5 1.8 6.7 2.2 1.7 1.1 . 1 6.6 SSE 1.5 6.9 s 1.9 1.2 . 1 7.0 1.7 2.1 5 \$ w . 9 1.0 1.0 • 0 .7 3.6 6.9 . 9 1.2 . 9 . 6 .0 3.6 6.5 1.0 . 8 . 1 •0 4.3 ٠.9 • C 7.5 1.8 1.0 . 1 6 . 3 1.8 2 . 8 1 . C 1.8 2.3 1.8 .6 7.7 2. 6 •2 9.7 1.1 2.3 2.3 . 6 8.9 NNE . 8 2.1 2.1 • 3 . 1 • 7 VARIABLE

2.2

TOTAL NUMBER OF OBSERVATIONS: 7434

TOTALS

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD:

77-86

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

MONTH: SEP HOURS(LST): 0000-0200 WIND SPEED IN KNOTS 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 DIRECTION | (DEGREES) | 7-10 11-16 TOTAL ME AN • 3 1.2 2 . 1 6.0 . 4 NNE • 2 1.4 2.4 7.8 • 3 . 1 . 9 1.4 NE . 6 3.0 6.2 ENE • 3 - 1 . 2 1.6 10.2 . 7 E 1.4 . 3 1.7 . 7 8 . 3 F. S.E. 1.4 1.1 6.7 SΕ 1 . 2 SSE . 2 5.6 2 . 8 1.1 5 3 . 2 . 1 1.8 6.3 5.0 SSW 1.6 1.2 . 1 5.7 SW . 9 • 1 . 1 1.2 3.2 6.2 WSW . 8 3.1 2.3 . 2 6.4 5.8 3.7 13.4 6.7 HNW 2.2 . 9 • 3 9.C 7.4 NW 2.8 1.0 8.0 7.7 NNW VARIABLE CALM 10.6 ////// TOTALS 100.0

PERCENTAGE FREQUENCY OF OCCLRRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

MONTH: SEP HOURS (LST): 0300-0500 | WIND SPEED IN KNOTS 1 -3 DIRECTION | 7-1C 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL (DEGREES) WIND N • 6 2.2 1.2 6.0 6.2 . 4 NNE • 3 1.6 2.7 7.8 • 3 . 4 NΕ . 6 2.3 6.4 . 6 . 8 ENE . 6 . 9 . 7 . 1 . 1 2.3 6.5 E 1 . 7 1.6 . 7 • 2 . 2 . 1 9.9 ESE . 8 2 • 4 1.8 . 7 6.6 SE 1 • 2 5.5 5 **S** E 5.5 1 . 2 S 1 . 3 SSW .6 . 2 1.4 1.6 SW 1.8 6.3 1.3 1.6 WSW 1.4 2 . 4 2.4 . 6 6.9 6.1 1 . 3 6.9 3.2 1.2 • 7 13.3 7.0 LNU 1.9 2.2 2.6 . 9 . 7 •2 9.4 8.0 NW 1.0 3.6 2.4 1.6 . 1 • 2 8.9 7.6 NNW VARIABLE CALM 9.2 ///// TOTALS 2.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POURLY OBSERVATIONS

PERIOD OF RECORD: 77-86

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

									MONTH:	SEp	HOURS (LS	11: 0600-	08.00
• • • • • • • • • • • • • • • • • • • •		• • • • • • •	•••••	• • • • • • • •		n speen	IN KNOTS		• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
DIRECTION (DEGREES)		4 -6	7-10	1 1- 16	17-21		28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	i.j	1.9	2.6	1.3	.2	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	••••••	• • • • • • •	7.0	7_8
	1											2.1	·
NNE	• 2	• 2	1 • 2	. 4									8 . 9
NE	. 1	• 4	• 9	. 2								1.7	7.8
ENE	• 3	1 • 7	1.4	. 1								3.6	6.3
E	1.1	1 • 7	2.6	. 7	• 3	•2						6.6	e . 1
ESE	• 2	1 • 1	1.9	. 8	• 2	• 1						4.3	e.9
SE	1.4	1.9	1 • 7	. 9								5.9	6.4
5 \$ E	1.1	2 • 6	. 9	. 4	• 1							r 1	6.1
S	1.6	1.7	1.0	• 2								4.4	5 • 3
SSW	. 7	1.1	. 8	. 4								3.0	6.5
Sw	. я	1.6	. 4	. 1								2.9	5.0
WSW	1.4	2 • 4	2.0	. 4	• 1							6 • 4	6.3
¥	2.4	3 • 7	3.2	1.0	. 4	• 3						11.1	7 • 2
WNW	1.0	3 • 4	3.9	1.4	1.2	. 1						11.1	P.9
NW	1.2	2 . 3	3.2	1. 9	.6	. 3						9.6	8 . R
NNH	. 2	1.2	2.3	. 7								4.4	7.5
VARIABLE	! ! • • • • • • • • • • • • • • • • • •	•••••	•••••	• • • • • • • • • • • • • • • • • • • •	••••••	•••••	•••••				•••••		
CALM		,,,,,,	1111111	11111111	1111111	,,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,	10.8	/////
TOTAL "	14.9	28.9	30.G	11.1	3.2	1.1						100.0	6.6
• • • • • • • • • • • • • • • • • • • •	! • • • • • • • • • •			• • • • • • • •			•••••						

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQLENCY OF OCCLRRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PERIOD OF RECORD: 77-86 MONTH: SEP HOURS(LST): G900-1100 | WIND SPEED IN KNOTS | DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 TCTAL 41-47 48-55 GE 56 DIRECTION | IDEGREES) | 34-4C MINU 9.6 7.9 1.9 NNE 2.6 . b 4.2 A .5 • 2 • 7 . 3 . 4 ΝE • 7 1.1 9.2 ENE • ? 1.3 . 2 ۰.3 4.9 • 2 E 1.0 2.3 1.0 , 9 . 9 1.4 1.6 . 7 5.4 9.7 . 7 2.0 ٥.٩ SE . 7 4.0 9.6 SSE • 7 9.9 2.0 7.1 S • 9 F . 7 1.1 1.0 SSW • 2 7.2 . 8 SW ٠, . 8 . 9 1.7 . 7 . 2 9.9 11.3 3.9 . 6 .2 . 1 1.7 2.6 13.3 HNW . 9 • 8 2.2 1.6 . 9 . 1 10.7 11.5 1 . 3 3.7 4.0 . 8 . 6 • 2 9.2 VARIABLE 4.6 ////// CALM 100.0 TOTALS . 3

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB NO

PERIOD OF RECORD: MONTH: SEP HOURS (LST): 1200-1466 WIND SPEED IN KNOTS DIPECTION I 7-10 1 1- 16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TETAL MEAN (DEGREES) | 9,6 WIND 1.3 2 . 0 3.0 2.6 8.8 NNE • 7 1.4 4.0 €.5 NE . 6 1.1 • 8 3.9 7.9 • 6 ENE . 9 1.0 1.7 . 8 • 2 4.6 7.7 Ε 1.1 2.3 • 6 9.2 ESE . 7 1.2 • 2 3.1 10.1 SE ۾ ه 2.1 1.8 10.0 • 3 5 S E • 1 . 2 10.0 S 10.2 SSW 1.1 1.1 1.2 . 3 . 1 9.9 Sw 2.0 • 3 - 1 8.9 • 6 3.0 9.0 WSW 1.4 1.1 . 1 1 - 1 1.2 • 3 . 3 7.8 2.4 1.? MNM 1.0 3.4 2.0 . 1 11.1 13.2 NW . 8 11.2 NNW 10.8 VARIABLE I CALM 2.9 ////// TOTALS 100.0 10.2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

1					#II	ND SPEED	IN KNOTS						
RECTION DEGREES)	1 -3	4-6	7-1G	1 1- 16	17-21	22-27		34-1-	41-47	48-55	GE 56	TOTAL	ME AN WIND
N !	. 9	2 • 3	3.2	2.4	.3		• • • • • • • •	••••	••••••	• • • • • • •		9.2	8 . 9
NNE	. 4	1.3	1.3	. 9	• 2							3.9	e . 7
NE I	• 3	1.0	1.2	• 6								3.1	7.4
ENE !	. 9	1.2	2 • 2	1. 3		• 3						5.6	۶.۱
E	. 4	2 • 2	1.9	1.9	• 3	• 1						6.9	9.0
CSE !	. 4	. 9	1.4	. 6	. 2							3.6	P . :
SE	. 6	• 7	• 9	1.1	. 1	• 1						3.4	۹.;
SSE	, 4	• 6	1.6	1.9	•1							4.5	9.6
s	. 6	1 • 6	1.8	2. 9	• 2							7.0	9.6
SSW	• 3	1.1	1.3	1.4	• 2	•1						4.6	9.6
SW .	٠ 4	• R	1.4	• 8		•1	. 1					3.7	9.6
wsw į	• 3	• 9	1 - 4	• 8	• 3	•1						3,9	0.0
• j	1.0	1 • 3	2.7	2. 7	1 • 1	•1	. 1					9.0	10.
WNW	. 4	. 6	1.8	3. 7	1 • 9	•4						9.1	13.6
и н (. 1	• 9	2.8	5.4	2 • 3	.6						12.3	13.2
NNW	. 7	1.2	2.9	2 • ₽	• 6	.1						8.2	13+1
ARIABLE	• • • • • • • •	• • • • • • •	•••••	• • • • • • • •	• • • • • • •	• • • • • • • •	· · · · · · · · ·	• • • • • • •	•••••	• • • • • • • •	••••••	• • • • • • • • •	•••••
ALM į,	11111111	,,,,,,,	1111111	////////	//////		,,,,,,,,	,,,,,,	,,,,,,,	,,,,,,,	,,,,,,,,	2.0	11111

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86 STATION NUMBER: 727675 STATION NAME: MINOT AFS NO MONTH: SEP POURS (LST): 1800-2000 wind speed in knots TETAL ME AN W1ND DIRECTION 7-10 1 1- 16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 (DEGREES) N 6.7 2.2 1.6 . 1 . 2 4.0 7.8 NNE 1.1 1.7 • 7 • 3 NE . 9 3.2 6.4 • 2 7.9 ENE 1.9 8.7 7.7 Ł 3.4 1.4 . 2 2.3 1.1 4.3 7.4 ESE 1.9 1.2 . 1 . 1 . 7 . 1 5.1 5.9 SE . 9 3.1 . 2 1.4 5.7 5.9 SSE 1 . 4 2.4 . 3 5.7 5 6.4 7.6 5.9 . 4 . 1 . i 1.6 1.0 . 4 . 1 4.0 6.6 WSW . 7 1.0 5.7 7.2 1.1 1.1 • Z 9.8 1.9 . 7 .6 8.1 3.6 3. D 1.6 11.4 10.1 . 1 VARIABLE CALM 6.9 ///// 160.0

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED USAFETAC FROM MOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

PERIOD OF RECORD: 77-86
MONTH: SEF HOURS(LST): 2100-2300

							IN KNOTS						
DEGREES)	1-3	4 -6	7-10		17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TCTAL	ME AN WIND
N .	1.9	1.6	1.2	. 9	.1	• • • • • • • •		• • • • • • •	• • • • • • • •			5.8	6,7
NNE	. 9	1.1	1.2	• 3	•1							3 • 6	6.6
NE	. 8	1.1	.4	. 8	.1							3 • 2	7.2
ENE	1 • 2	1.6	1.4	. 6								4 • 8	6.4
Ł	. 6	1.7	1.9	1.1	• 2							5.4	ė,4
ESE	. 7	1.1	2.4	. 6								4.8	7.0
SE !	1 • G	3 • 9	1.3	. 7								6.9	6.3
SSE	1.1	3 • 6	• 7	. 1								5.4	4,9
s	2.2	3 • 9	• 6									6.7	4 • 1
SSW	. 7	1.6	.8									3.0	5 • 1
Sw	. 8	2 • A	. 4	• 1								4.1	4.9
wsw	1.0	2.4	. 7									4.1	4.7
•	2 • 8	5 • 3	3.0	. 7	• 2							12.2	6.0
NNN	1.6	3.0	2.7	. 7	. 3	•6						8.8	7.8
Nh I	. 7	3.4	5 • 0	1. 9	. 4	.4						8.9	9.2
NNW I	• 4	1 • 3	1.6	• 1	• 1							3.6	6.7
VARIABLE		•••••	•••••		• • • • • • •	•••••		• • • • • • •	• • • • • • •	• • • • • • • •	•••••		• • • • • • • •
CALM .	,,,,,,,,,	,,,,,,,	,,,,,,,,	,,,,,,,	///////	1111111	,,,,,,,,	,,,,,,,	1111111	,,,,,,,	,,,,,,,	8.8	111111
TOTALS	18.1	39 . 3	22.3	8.7	1.7	1.0	. 1					100.0	5.9

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PER100 OF RECORD: 77-86

STATION NUMBER: 727675 STATION NAME: MINOT AFE ND

									MONTH:	5 £ p	HOURS (LS	T): ALI	L
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •	• • • • • • •	•••••	•••••		n speen	IN KNOTS	• • • • • • • •	• • • • • • •	•••••	•••••	• • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
DIRECTION (DEGR _E ES)		4-6	7-10	1 1- 16		22-27	ZR-33	34-40	41-47	48-55	GE 56	TUTAL	ME AN
	1.5	2 • 2	2.2	1.4	.3	•••••	• a	• • • • • • •	•••••	•••••		7.7	7.5
NNE	.4	. 7	1.6	. 7	•1							3.4	6.1
NE	.5	• 8	• 9	. 5	• 0							2.7	7.1
ENE	.6	1.2	1.3	. 5	• 1	.1	• 2					3 . A	7.7
Ε	. 7	1.7	2.1	1.2	• 3	.1	• 0	•0				6 . 2	R . 6
ESE	.6	1.5	1.5	. 9	• 2	• 2						4.7	7.8
SE	.9	2 • 2	1.4	. 9	• 1	• 3						5.4	6.9
3.5.8	. 9	2.0	1.3	٠.٤	•0							5.0	6.8
S	1 . 3	2 • 1	1.6	1. 1	• 2							6.3	7.2
S S W	,6	1 • 2	• 9	• 6	• 1	• 3						3.4	7.1
SW	.7	1 • 3	1.2	• 3	•0	•3	• າ					3.6	6.7
WSW	.8	1.9	1.6	• 5	• 1	• 2						4.9	6.8
u	1.6	3 • 3	2.6	1.9	• 6	• 1	• 1	• 0				10.3	6 • 3
WNW	1 1.0	2 • 3	2.4	1. 9	1.1	• 5	• 3					9.2	16.3
Nw	. A	2 • 2	2.9	2.8	1.0	,4	• ?					17.1	10.3
NNW	1 .6	1.6	2.1	1.5	• ?	-1						6.1	8.7
VARIABLE	!	•••••	• • • • • • •	•••••	• • • • • •	•••••	•••••	• • • • • • •	• • • • • •	•••••	•••••	• • • • • • • •	••••••
CALM		///////	(1111111)	,,,,,,,	111111	,,,,,,,,	,,,,,,,,	,,,,,,,	111111	,,,,,,,	,,,,,,,	7.0	111111
TOTALS	1 13.6	28 • 2	27.6	17.6	4.3	1.5	• 2	• 0				100.0	7.6
	•												

PERCENTAGE FREQLENCY OF OCCLRRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINUT AFE ND

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0000-0200

RECTION 1	1 - 3	4 -6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN
EGREES)						=						1	MIND
N [. 9	1.8	1.5	1.0	.3	, 7	• • • • • • • •		•••••	••••••		5.7	8,5
NNE !	• 1	• 5	• 9	• 2	. 4							2.7	9.6
NE !	. 5	. 4	. 4	• 1								1.5	5.3
ENE	• 2	• 3	• 6	• 2								1.4	7.1
£	, 5	• 6	•5	• 3								2 • 0	6.7
ESE	1 - 1	2.0	1.2	. 3								4.5	6.0
SE !	1 - 1	2.0	. 4	. 4								4.3	c • 6
S S E	1 • 7	2 • 7	1.2	• 2								5 • 8	5.3
s	2.5	2.4	1.8	1.5	• 1							A . 3	6.5
SSW	1 • 4	1.5	1.4	1.3	• 2	• 1						6 • 5	8.3
Sw !	1.4	1.6	2.2	• 6								5.9	6.4
wsw	1.7	2.6	2.8	• A		•2						7.3	7 • 3
	2.4	4.2	3,4	1.6	. 4	•1						12.2	7.1
LNW	• ?	3.3	4.5	7. 7								13.8	8.6
Nw		2.2	2.2	2.3	• 9	. 7	• 1	• 2	,			R . 4	11.5
NNW		1.1	2 . 4	7+0	. 4							5.9	10.5
ARIABLE	• • • • • • • • • • • • • • • • • • • •	• • • • • •	• • • • • • • • •			•••••	•••••	• • • • • • •	•••••	• • • • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••
- 1	,,,,,,,,,		,,,,,,,,,	11111111	,,,,,,,	1111111	,,,,,,,,	,,,,,,,		,,,,,,,,	,,,,,,,	7.7	111111
1													
OTALS I	15 . 3	29.4	27.4	16.1	2 . 4	1.0	- 1	. 2	•			100.0	7.2

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POURLY OBSERVATIONS

AIR MEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

PERIOD OF RECORD: 77-86 MONTH: OCT FOURS(LST): 0360-0500 34-40 41-47 48-55 GE 56 TITAL MEAN (DEGREES) | WIND 9.0 1.2 1.7 • 8 6.8 2 • 7 . 1 . 1 . 1 8.9 NNE . 2 • 3 1.2 • 3 . 2 NF . 4 . 4 1.4 6.7 • 3 ENE . 6 . 4 . 4 . 3 1.4 £ .4 £ . 8 . 3 • 1 2.8 4.9 1 • 6 6.9 FSE .6 1.9 1.4 . 6 4.5 SE ۰,9 1.9 3.7 4.9 SSE 1 - 1 3 . 4 . 9 • 5 5.9 5.7 \$ 2.0 1.8 . 4 6.9 SSW 1.0 1.1 . 1 • 1 4.2 A . 7 1 . 6 • 3 . 9 . 9 1.4 1.0 4.1 7.3 3.C . 4 7.7 6.3 3.0 1 • 3 H 2.2 3 . 8 6.1 2.0 • 2 14.3 7.4 9.6 3.4 4.8 2. 3 • ? KNM . 5 • 2 . 2 11.9 NE 1.7 3.2 3. 7 .5 . 3 10.0 10.8 NNW • 1 10.4 • 1 VARIABLE CALM 8.4 ///// TOTALS . 9 100.0 7.2

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: .с.ды иг месоно: 77-85 MONTH: OCT HOURS(LST): 0600-0866 WIND SPEED IN KNOTS 7-10 11-16 17-21 22--7 26-27 77-85 STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND DIRECTION 7-1C 1 1- 16 17-21 22-27 28-33 34-46 41-47 48-55 GE 56 MEAN WIND 1-3 4-6 IDEGREESI 1 1 N | 6.0 9.8 5.9 NNE . 8 . 2 • 3 1.6 . 2 1.6 6.3 NE . 6 • 5 6.7 . 4 . 3 . 3 ENE • 1 3.0 6.6 1.2 . 5 Ε . 6 . 6 3.7 7.0 . 9 ESE . 5 1.5 . 8 SΕ 3.0 2 . 3 . 3 5.9 6.6 • 3 5,5 5.5 SSE 1.6 2 . 3 1.2 . 4 \$ 1.3 . 8 4.9 6.2 . 9 5.4 7.3 1.2 . F • 1 4.2 6,7 1.1 1.1 1.2 . 1 7.7 7.4 **w** S w . 9 2.4 . 9 3.5 • 3 • 2 . 1 2.2 5.4 ۶.5 -. 9 3.1 4.4 2.6 . 9 . 9 11.6 10.4 4.5 . 6 2.3 3.4 NW 9.0 5.9 NNW 2.0 • 3 VARIABLE CALM TOTALS 100.0 7.4 3.0 1.0

PERCENTAGE FREQLENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

PEPIOD OF RECORD:

77-86

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

PERIOD OF MECOND: 77-86

MONTH: OCT HOURS(LST): 0900-1100

I WIND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE S6 TCTAL MEAN
LOEGREES) | N N 8 . 5 7.0 10.1 NNE • 3 • 5 1.9 9.1 • 3 NE • 2 5.4 1.3 E NE • 3 • 3 . 1 7.3 E . 6 1.3 A .4 . 5 1.0 1.0 1.1 3.5 ۰.0 ESE A .2 2.3 . 4 4.2 SE • 6 5.2 8.0 SSE . 6 1.4 1.8 1.1 • 2 S . 4 1.4 2.3 2.6 1.0 . 1 7.7 10.9 . e 2.3 5.2 7.7 • 3 • 6 1.4 3.9 8.8 . 9 A .4 1.5 4.4 4.3 . 8 • 2 12.3 11.5 • 5 1.7 3.9 1.9 1.2 . 2 14.5 • 3 • 6 1.9 2.5 4 . 5 • 3 12.8 NH 2.5 . 1 11.9 NNW 1.2 3 . C 3.0 . ? 11.0 3.7 ////// CALM 100.0 30. F 10.1

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

PERIOD OF RECORD:

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

WIND (DEGREES) | .9 .1 11.3 8.0 1.0 2.4 3.4 . 9 3.0 8.7 1.1 NNE • 3 • 8 9.7 1.4 NE • 5 • 2 . 2 • 3 7.4 ENE . 4 • 2 • 5 1.6 9.3 £ . 9 1.4 • 3 • 6 1.7 4.3 9.9 ESE 3.0 H.6 1.6 . 6 . 1 SE • 6 4.5 12.0 5 \$ E . 2 12.0 1 . C 2.8 S 8.5 . 9 2.0 1.3 5 S W • 1 11.0 1.4 1.6 • 5 5 W • 1 . . 2.3 5.5 11.3 WSW . 5 2 . C • 5 9.5 12.8 2.2 4.9 1.0 • 3 . 2 10.6 14.4 WNW 1.0 2.5 3 . 2 2 . 3 1.2 . 4 14.5 N₩ 3.3 3. D 2.8 1.2 . 2 11.3 NNW 3. 1 2.5 12.6 12.5 VARIABLE I Annum manum manum manum manum manum manum manum manum manum manum manum manum manum manum manum manum manum ma 2.2 ////// CALM TOTALS 28.4 34.3 13.3 3.9 1.2 100.0 11.6

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

S'ATION NUMBER: 727675 STATION NAME: MINOT AF3 NO

PERIOD OF PECORD: 77-86
MONTH: OCT HOURS(LST): 1500-1700

J							IN KNOTS						
DIRECTION (DEGREES)	1-3	4 -6	7-1G		17-21	-	28-33	34-40	41-47	48-55	GE 56	TCTAL	MEAN
N	. 3	1.9	3.5	3. D	. 9	•2				••••••	••••••	9.9	10.3
NNE	. 6	• 8	.9	• 9	• 1							3.2	P • 3
NΕ	. 4	1.0	. 3	• 5	. 1	•1						2.5	8 - 1
ENE I	• 1	• 3	• 1		• 2	-1						. 9	11.0
E į	. 5	1 • 1	1.2	1.2	. 4							4.4	9 • 6
E SE		1.2	2.5	1.2								4.8	8.4
SE	• 1	• 3	1.0	1. 4								2 • P	10.5
SSE	. 4	1.0	1.7	2.0	• 2							5.4	9.4
s i	• 2	1.1	2 • 2	3. 7	.6	•2						8.0	11 • 3
SSW	• 2	1.2	1.7	• 5								3 • 7	7.8
SW I	• 3	2 • ?	1.3	1.2	• 3							5.3	8.5
wsw i	. 5	. 9	1.5	1. 9	• 2							5 • 1	9.6
w į	• 1	1 - 3	2.5	4.4	. 8	•5						9.6	11.8
WNW I	. 4	1.9	1.8	4.7	1.4	• *	• 2					11.3	12.3
ו עא	• 3	1.4	2.3	3.9	2.5	1.2						11.5	13.5
NNW I	. 4	1 • 3	2.3	2.4	1.5	1.6	• 2					9.7	14.0
VARIABLE I	• • • • • • • •	•••••		• • • • • • • •		• • • • • • •		•••••	• • • • • • • •	• • • • • • •	• • • • • • • •	••••••	
1	,,,,,,,,,	1111111		11111111	,,,,,,,	1111111		1111111	,,,,,,,	,,,,,,,	,,,,,,,,	2.2	111111
TOTALS I	5,2	10.7	26.7	32.9	9.2	4.7	. 4					100.0	10.7

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED
FROM POURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFR ND

STATION NUMBER: 727675 STATION NAME: HINOT AFB ND PEDIOU OF RECORD: 77-86
HONTH: OCT HOURS(LST): 1900-2000

WIND SPEED IN KNOTS
DIRECTION | 1-3 4-6 7-10 11-17 7-70

l l					₩I.		IN KNOT	5					
DIRECTION ((DEGREES) (4 -6	7-10	1 1- 16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TCTAL	ME AN WINE
N	. 8	2 • 2	2.5	1.4	.9	.3	. 1	• • • • • • •	•••••		••••••	8.1	° ،7
NNE	1 • 2	1.4	. 3	1.0	. 1	•2						4.2	7.4
NE	. 6	. 9	• 2	• 1	. 3							2 • 2	6.9
ENE	.8	• €	• 3									1.7	4 • 1
E	• 2	1.4	1.8	• 9	. 1							4.3	٦. ء
£S£	. 5	2 • 4	1.2	• 8								4.8	6.7
SE	1 • 4	2 • 3	1.7	• 3								5.7	5.7
5 S E	.6	3 • 2	1.6	1.2								6.7	6.9
5	1.4	3 • 2	1.3	• 6	.1							6.7	5.9
SSW	1.0	2.3	• 6	• 2								4.1	5 • 2
SW	.4	2.2	1.4	• 3								4.3	6.1
ESW	1.6	2 • 7	1.6	. 1								6.0	5 • 3
¥	1.9	4 . 4	2.9	• 9								10.1	6.7
# N H	. 5	3 . 3	3.3	2. 0	• 5	• 1						9.0	5.5
Nu	1.0	2 • 2	3 • 5	2.7	• 5	.4	• 2					12.5	10.0
NNW	• 3	1 • 2	1.6	1. 7	• B		• 3					5.9	11.5
VARIABLE							••••••	• • • • • • •	• • • • • • • •	• • • • • • •		• • • • • • • • • • • • • • • • • • • •	
i	,,,,,,,,,	,,,,,,,,	,,,,,,,,,			,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,			,,,,,,,,	4.9	111111
TOTALS	14.3	35 • 7	26.0	14.1	3.3	1.1	.6					100.0	7.1
.07463	1 ,	33 • 1	2010	. 4	,,,		• 0					.50.0	• • •

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY ORSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PERIOD OF RECORD: 77-86 #END SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN (DEGREES) | (DEGREES) WINU 10.8 • 1 NNE . 1 1.1 1.1 • 6 • 1 . 1 9.1 NE • 2 6.5 . 9 ENE 1.0 . 3 2 . 2 4.0 • • 2.7 7.6 £ . 5 1.2 • 1 • 3 . 4 € SE 1.1 . 8 • 2 • 1 2.6 6.8 SE 2 . 7 . 8 1.0 5.4 5 \$ E 3.3 2.0 1.0 . 1 9.1 6.4 s 2.7 2. 3 . 2 1 - 4 1.6 1 • 2 1 . 6 6.5 1.5 2 • 5 1.5 6.4 6.6 3.9 1.3 1.6 4.4 . 2 11.5 7.2 . 1 . 9 1.7 P.8 2.2 HNH 4.6 . 1 10.7 NW 2.2 1.9 3.1 . 6 • 2 . 2 8.7 NNW 1.3 2.6 1.6 • 2 . 1 10+3 VARIABLE | CALM 7.3 ////// TOTALS 160.0 15.5 3.9 1.7 . 3 7.2

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM MOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AF3 NO

PEPIOD OF PECORD: 77-86 MONTH: OCT ALL FOURS(LST): #IND SPEED IN KNOTS 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 DIRECTION 4 -6 TOTAL 1-3 IDEGREES! | WIND N 2 • 3 10.0 1 . 7 . 6 . 5 . 7 . 6 • 1 • 1 2.5 8.3 NE . 4 . 2 ٠, 1.6 7.0 • 6 6.4 . 5 • 3 . 0 ENE 3.5 7.8 Ł . 6 1.0 1.0 . 8 . 1 7.5 4.1 . 5 ESE 1.4 1.3 • 0 4.3 6.8 SE . 6 1 . 7 1.4 . 6 • 3 7.2 5.9 SSE 1.0 2.2 1.4 1.1 • Z 8.3 7.6 s 2.0 1.9 1.9 . 4 . 1 7.5 SSW . 8 1.5 . B . 1 •0 4.5 . 7 • 9 4.6 7.6 w S w 2.0 2.2 6.5 7.6 1.0 R . 9 2.9 2.7 . 5 3.9 1.2 10.9 2.9 1.0 . 2 10.8 ENN . 5 2.4 3.5 • 0 10.5 2.8 3. 4 1.4 .0 11.9 NW . 4 1.9 . 1 7.5 11.5 NNE 1.3 2.3 2.1 1.0 . 1 VARIABLE CALM 5.6 ////// 100.0 TOTALS 2.0 . 1 8.6 28.0 22.1 5.8

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCLARENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POUNLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

PERIOD OF RECORD: 77-86
HONTH: NOV HOURS (LST): 0000-0200 WIND SPEED IN KNOTS 17-21 22-27 28-33 34-4₀ 41-47 DIRECTION ! 4 -6 11-16 48-55 GE 56 TOTAL MEAN IDEGREES) 1 UNING P . 3 NNE • 2 3.2 8.0 NE . 3 1,0 5.1 • 1 . 6 . 7 ENE • 3 . 1 . 1 . 1 7.8 £ . 9 3.2 7.4 1.1 7.6 ESE 1.2 3.4 • 3 . 9 SE . 6 2 . 1 . 7 4.2 6.6 . 6 SSE 2 • 7 1.6 . 3 5.1 6.2 s 1.6 2 . 4 1.0 1.1 . 1 . 1 6.9 5 S w 1.0 • 1 3.7 Sw , 9 1.4 2.2 5.0 €.9 6.4 1.0 3 . 7 • 2 . 1 11.7 F . 4 3.3 9.4 ٤.5 KNK 3.2 1.6 • 3 • 1 . 1 . 7 4.2 NW 1.7 4.7 •6 13.3 11.5 1.6 NNE 3.2 1.4 1.0 10.4 CALM 7.8 ////// 100.0 7.6 17.7 3.4 1.9 • 3

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

PEPIOU OF PECORD: 77-86 HOURS (EST): 0300-0500 MONTH: NOV WIND SPEED IN KNOTS -10 11-16 17-21 22-27 28-33 3 DIRECTION 7-10 34-40 41-47 48-55 GE 56 TETAL MEAN 1-3 4-6 IDEGREES) ı MIND 8 . 3 3.0 . 6 2 . 6 NNE . 1 8.3 • 7 .6 . 2 7.2 NE • 7 . 6 6.5 ENE . 1 • 3 E . 6 2.3 ٠.9 . 7 1.1 4.7 7 .. ESE . 4 1.3 2.7 • 2 SE . 7 . 7 4.1 6.8 5.7 5 S E 2 • 0 1.6 . 7 6.2 6.7 S . 1 5.1 1.3 2.6 7.5 . 3 1.4 . 6 WSW 2 . A 2.6 1.1 7.4 1.0 13.9 9.1 4 . 1 5.4 2. 4 . 4 . 1 1 . 2 . 9 • ? 10.6 9.9 1.9 4.4 2.3 . 4 • 3 . 9 . 9 1.9 3.0 . 1 10.9 10.1 NH 5.3 NNW 1.0 1.9 2.0 1.1 . 4 . l 7.0 11.9 VARIABLE CALM 9.7 ///// 130.0 TOTALS 7.6 3.1 1.4 • 6

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM POURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 77-86 HONTH: NOV HOURSILST): 3600-0600

| WIND SPEED IN KNOTS
| DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN 10EGREES) | IDEGREES) | 1.8 .7 .? .1 7.9 9.6 2.0 1.8 • 1 2.9 7.5 NNE • : 1.1 ٠٤ . 7 NE 1.7 5.9 • 3 ENE . 8 6.3 . 1 Ł 1.0 ESE 3 . 1 7.6 SE • 3 1.1 . 9 6.0 6.9 3 . 2 1.0 SSE . 6 1.2 ٠,9 s 1 . 8 1.6 1.3 • 6 . 1 5.3 1.3 • 1 4.2 7.3 SW . 6 1.7 . 9 . 3 . 1 3.6 6.5 3 . 2 2.1 • 3 . 1 6.3 6.6 . 2 7.9 4 . 6 3.1 1.1 . 9 10.7 1.8 1.1 10.0 . 4 4.6 3.1 . 3 2 . 8 • 6 NW 11.7 2.3 2.1 NNW • 3 1.3 • 6 . 5 CALM 9.2 ///// 100.0 30.1 3 . 3

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOUNTLY OBSERVATIONS

77-86

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PERIOD OF RECORD: #IND SPEED IN KNOTS

DIRECTION | 1-3 4-6 7-10 11-16 17-21 22--7 20--7 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 (DEGREES) | ı w I ND •1 2.0 1 • 6 2.0 . 1 6.9 10.0 NNE • 3 • 7 • 3 2.1 7.4 NE . 7 • 3 1.0 • 6 2.6 6.1 ENE • 2 . 2 . 4 • 3 1.2 ÿ • D Ł . 9 •8 • 1 2.1 ESE . 9 1.2 . 3 • 1 3.0 7.4 SΕ 1.4 1.4 1.4 • 2 4.9 9.1 SSE . 7 1.7 1.9 1.3 • 2 5 • 1 P.C S , 7 1.9 1.7 1.4 . 7 8.5 SSW . 9 • 3 4.0 7.3 S₩ . 9 1.1 • 1 3.3 ۵.6 WSW 1.0 2.2 1. 5 • 1 • 1 6.7 8.5 2.9 5.9 3.0 . 2 . 1 12.8 P . 8 -1.4 2.6 2.9 1.6 1.1 10.1 12.4 1.1 3.8 4.0 1.3 ٠9 11.7 11.9 . 7 4.1 3.7 • 3 1.7 45 . 2 . 2 VARIABLE CALM 5.6 ////// TOTALS 24.6 6.0 2.7 . 2 100.0 9.1

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND UTHECTION VEHSUS WIND SFEED FROM HOUNLY DESERVATIONS

PERIOD OF RECORD:

77-86

100.0

10.1

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

17-86 MONTH: NOV HOURS(LST): 1200-1400 | WIND SPEED IN KNOTS DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 29-33 34-40 41-47 48-55 GE 56 T(TAL MEAN LOEGREES) | • 1 1.8 NNE . 7 2.2 P.5 1.1 7.1 • 1 ENE . 1 . 6 . 7 f . t • 3 ۰.4 Ł 1.2 . 1 F S E 1.1 2.4 9.4 . : . 6 • 3 a • 1 3.7 SE 1.3 . 6 ۰ ۵ 1.0 6.7 9.9 SSE • 2 1.2 2.3 2. 4 . 3 . 1 S • 2 4.9 1.1 . 9 2.0 . 2 10.2 1.3 1.0 • 3 3.7 9.9 SW • 2 • 2 1.7 1.4 . 1 3.7 10.4 2.3 1.7 . 2 9.3 . 2 13.4 9.7 1.4 3.2 3.6 4.0 1.8 10.3 12.5 WNW . 4 1.6 2.8 2.8 . 1 .9 N₩ 4.7 2.2 • 2 13.7 . 4 4.1 13.1 1.1 NNW . 6 2.0 3.0 1.0 . 2 . 1 12.0 CALM

3.0

3 C . 1

. 1

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED USAFETAC FROM MOURLY OBSFRVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINGT AFS NO

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS (LST): 1500-1700

									: תדמ0M	-	+0UR\$ (L S	T): 1500-	1700
RECTION (DEGREES)		4 -6	7-16	1 1- 16	17-21	22-27	IN HNOT: 28-33	34-40	41-47	46-55	GE 56	T(TAL	ME A N WIND
N	. 6	3.6	2.3	1. 6	1.0	.2	• • • • • • •		• • • • • • • •	•••••	••••••	9.7	9.0
NNE	• 2	• 6	.7	. 8								2.2	8.6
NE		• 7	.7	. 3								1.7	7.5
ENE		. 4	. 8	• 2								1.4	8.2
E	. 4	• 7	1.4	1. 8	• 2							4.6	9.6
E S E	• 2	1.2	1.3	. 2								3.0	7.0
SE	, 4	1.6	2.2	• 9								5 • 1	7,8
\$ \$ 8	. 4	1.4	1.7	1.3								4.9	۴ • 1
S	1-1	1.9	1.8	1. 7	• 2							6.7	R + 2
55#	• 3	.6	1.3	. 4	• 2							2.9	9 • 1
รม	.6	. 3	1.3	• 2	• 3							2.8	۶.5
พรพ !	. 4	2.6	2 • 6	1.1	. 1							6.8	7.5
₩	1.1	1.0	3.9	2.3	.4	.1						9.7	9.0
WNW	• 3	5 * 0	1.6	2 • 4	1 - 4	• 9						P.9	12.0
Nw	. 4	2.4	4.0	3. 3	2 • 6	.7	. 6					14.0	12.5
NNW	• 2	1.4	3.7	4.1	• 6	• 3	. 1					10.4	11-1
ARIABLE 1	' ' • • • • • • • • • • • • • • • • • •		•••••	•••••	• • • • • • •	•••••	• • • • •		• • • • • • •	•••••	•••••	•••••	•••••
ALP	,,,,,,,,,	//////	11111111	,,,,,,,	///////	,,,,,,,	,,,,,,,	//////	,,,,,,,	,,,,,,,	,,,,,,,	5.3	//////
OTALS	7.1	23.1	51.4	23.0	7.1	2.2	. 7					130.0	9.1

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OPSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PERIOD OF RECORD: MONTH: NOV HOURS(LS1): 1800-2000 WIND SPEED IN KNOTS
DIRECTION ! 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN WIND IDEGREES) | 2.2 . 9 • 8 • 6 3 • 2 3.3 A .5 NNE . 8 . 7 ۹. . 7 . 3 • 1 . 7 1.9 €.6 NE • 7 . 2 • 3 1.2 6.5 ENE • 3 • 1 £ P . 3 1.8 • 5 3.6 E SE 1 • 8 1.4 . 1 3.9 6.1 SE 1.4 1.0 6.3 SSE €.4 1.0 • 7 s 2.7 . 7 ٩. ٦ • 1 1 . 2 554 . 8 2.2 ۰, • 2 4.7 6.0 S¥ 1.9 4.4 £ .7 1.2 • 1 . 9 WSW . 4 6.3 6.7 1.0 2 . 6 2.2 • 1 12.3 7.6 3 • € 3.2 1.1 • 2 . 1 . 2 ٥.٥ ۹.5 ENG 1 • 2 2.2 3.1 1.9 . 4 . 1 NW 2.0 2.9 2.9 1.0 . 7 11.6 11.6 NNW 9.9 VARIABLE I CALM 7.3 ///// TOTALS 27.0 14.2 1.7 1.3 100.3 7.5

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NU

PERIOD OF RECORD: 77-86 HOURS (LST): 2100-2300 MONTH: NOV WIND SPEED IN KNOTS 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN DIPLCTION I IDEGREES) 1 WIND 7.1 1.4 1.0 10.2 . 7 2.9 7.2 NNE .6 • 1 1.8 NE . 9 . 1 4.9 ENE . 2 .6 • 1 Ε . 8 7.1 . 6 • 7 7.9 ESE • 3 1.4 4 . 1 7.1 SE . 6 1.6 1.3 . 7 6.4 SSE 1 • 2 2.1 2.4 . 7 6. . B . 4 S 1 • 0 2.2 1.7 . 2 . 1 1.3 • 3 5.0 6.0 1.9 4.2 . 8 3.4 7.9 5.7 7.2 3.0 9.5 11.5 2.0 3.2 3. B 1.2 . 1 ۸. 3. 3 10.7 NNE . 6 . 1 . 1 TOTALS 4.0 1.1 160.0

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFLED USAFETAG FROM HOURLY ORSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE ND PER100 OF RECORD: 77-86

1					"IN	D SPEED	IN KNOTS						
IRECTION DEGREES)	1-3	4-6	7-10		17-21	22-77	28-33	34-40	41-47	48-55	GE 56	T(TAL %	ME AN WIND
N	. 7	2 - 4	2.2	1.6	•6	•2	• 0	• • • • • •		• • • • • • • •	• • • • • • • •	7.9	4.3
NNE 1	. 4	. 9	.6	. 7	. 1	•3						2.1	8.0
NE !	• 3	• 5	•5	• ?								1.5	6.7
ENE	• 1	• 2	.5	. 2	• 0							1.7	7.4
L	. 5	• 7	1.1	. 5	• 0							3.0	7.6
E S E	. 5	1 - 1	1.5	. 5	•0							3.6	7.3
SE I	. 6	1 • 5	1.3	.,	•0							4.7	7.4
SSE	. 8	2.0	1.8	1.0	• 1	•0						5.7	7.3
s	1 + 2	2.0	1.3	1.1	• >	. 1						5.7	7.4
SSW	. 7	1 • 2	1.1	. 4	• >	• 1						3.7	7.1
SW [. 6	1 • 2	1.4	. 6	•1							3,9	7.5
WSW I	. 7	2 • •	2.4	1.0	• 1	•9						6 • ¤	7 . 3
·i	1 • 3	3 • 4	4.4	2.4	. 4	.1	• 1					12.0	e .4
WNW .	. A	2 • 0	3 • C	2.4	1.0	• 5	• 1					9.8	10.5
NU I	. 7	1.9	3 • P	5. A	1.4	•5	• 2	•0				12.3	11.6
NNW	. 5	1.5	2.8	2.0	• 7	٠,	• 2	• 3				9.1	11.1
VARIABLE I	• • • • • • • •	•••••	• • • • • • • •	•••••		• • • • • • •		• • • • • •		• • • • • • • •	•••••	•••••	•••••
CALM I	,,,,,,,,,	//////		11111111	1111111	(//////	,,,,,,,,	,,,,,,	,,,,,,,,	,,,,,,,		6.9	111111
TOTALS	10.4	25 • 1	29.8	25.2	4.9	2.0	• 6	. 1	•			100.0	8.3

GLOHAL CLIMATOLOGY BRANCH USAFETAC PERCENTAGE FREDICINCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SELFICING FROM HOURLY OBSERVATIONS AIR MEATHER SERVICE/MAG

77-A6

STATION NUMBER: 727675 STATION NAME: MINOT AFE NU

PERIOD OF PECOPO: 22-27 28-33 34-40 41-47 48-65 GF CE IDE GREES! ŧ #15U 2.6 . 2 P.4 1.1 - 1 4 . 7 NNE 4.4 • 3 . 1 1.4 . : NE . . . 1 - 1 . 6 7.5 ENE . 3 • 1 . 1 10.1 ٠, ... E . (. 2 1.2 1.1 . 4 1 SE 1.3 5. 7 ٠.٠ SE 1 • 4 . . 1 1.9 SSE 1 . 2 1 • 2 5 . 9 . . 5 S W - . 1 1.0 3.7 • 2 7.1 1.0 1.0 F • 1 1.7 1.4 4.4 3. . . : . 2 13.0 **.** 6 2.3 3.1 4.1 2.2 11.6 12.4 . 1 . 1 . 4 5.4 NH 1.3 4.2 3.0 1.7 . 1 • . 16.3 11.1 NNH 1.9 . . 1.4 2 . C 1.1 . 4 7.4 11.9 CALM 7.1 ////// 3.3 9.0 21 . 2 21.6 . 6 - 1 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB NO

PERIOD OF RECORD: 77-86 PERIOD OF RECORD: 77-46

HONTH: DEC HOURSILSTE: 0300-0500

I WIND SPEED IN KNOTS

DIRECTION | 1-3 4-5 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 T(TAL MEAN TOFORE, 5) | TOT OF EST 1 WIND 1 . / 1.5 1. 3 1.0 10.2 NNF . 4 . 5 . 1 6.3 1.4 NE • 7 . 1 . 1 . 1 4.1 • 2 FNE . . • : • 1 . 1 . 6 ŧ 1.0 1.0 . A . (1.4 . 1 F 54 1.2 - 3 1.2 • 3 3.0 ٠.₂ 58 e .ª 558 . 0 · .6 s 1.5 4.3 7.9 . 2 ٠.٥ F . R . 1 2.6 • 6 • 3 . 1 1.7 • 2 6.4 P.7 1.7 4.4 4 . 8 3.8 . 5 . 1 15.4 F . 4 1.7 2.9 2.0 . 6 3.6 1.9 12.3 11.3 NW 2.6 5.7 4.7 2.6 1.4 17.7 12.3 . 2 NNW 1.7 1.4 1.1 11.8 CALM

GLOBAL CLIMATOLOGY BRANCH USAFETAC PERCENTAGE FRECIENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECOPD:

77-86

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

MONTH: DEC HOURS(LST): 0630-0800 #IND SPEED IN KNOTS
DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN IDE GREEST 1 #INU 5.4 8.6 NNE . 1 . 1 1.4 7.5 . 4 . 1 . ? ΝE 1.3 6.3 ENE • 3 • 1 . 1 . 5 5.6 . 9 . , £ 1.4 . 9 . 3 4.2 7.5 ESE . 1 1 . 3 1.7 . 3 . 2 3.7 C. 9 . 9 SŁ . 5 6.3 ٠, ٠ SSE 1 • 4 1 • 5 1.2 . 1 4.2 • 2 5 1.3 1.4 . 3 ٠, ٠, ۰ ۵ . 1 . . 1.0 . 2 2.2 2.5 1.3 . 3 7.8 ٤.1 1 - 1 ?. 9 4.0 1.1 1.4 3.5 . 3 9.5 1.0 2.0 3 . C 5.2 1.0 . 1 14.4 12.1 . 9 4.7 2.9 ٠, Ne 1.9 4.3 . 5 15.9 12.7 2.4 NNE . 5 • 6 . 4 VARIABLE 7.4 111111 • h 107.5

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

#IND SPEED IN KNOTS

OIRECTION | 1-3 4-6 7-10 11-16 17-21 22-7 20-1 MLAN IDEGREES) | WIND 1.4 1.0 . 1 4.3 . 3 NNE • 3 . 5 9.2 . 6 1.9 NE • 3 . 1 ENE . 9 . 4 . 1 . 1 £ 1.0 F .4 • 2 . 6 1.0 1.5 • 2 3 - 1 1.3 SE 1.5 . 4 6.8 1.0 . 1 4.3 5 S E 1.0 . 3 5 . R 1.4 3.7 1.0 1.1 S . : 1.0 ٠, 3.7 9.4 . 4 . 9 2.9 1.7 55# . 6 . 8 - 1 1.1 1.0 516 . 6 1.7 • 2 7.7 4.6 W 5 W . 9 2.9 1. 9 . 1 7.8 ۶.5 2.0 2.5 4 • 1 5.4 4.2 1.6 •2 18.0 9.3 -1.; 1.9 4. 8 2.6 1.5 14.7 NW 3.2 5.5 2.5 1.9 NNW 12.0 VARIABLE ! CALM 5.9 ////// 25.6 9.5 3.7 1.3 100.0 9.8

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

PERIOD OF RECORD:

77-86

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

HONTH: DEC HOURS(EST): 1200-1400 | WIND SPEED IN KNOTS DIRECTION I 17-21 7-10 48-55 UE 56 1 1- 16 22-27 28-33 34-40 41-47 TOTAL MEAN (DEGREES) 1 **W1ND** N N 1.8 4.7 8.8 NNE • 2 • 3 1.3 10.4 NE . 6 • 3 . 1 1.1 4.2 ENE 1.0 • 3 . 1 1.4 6.5 E . 4 1.0 • 1 . 1 . 3 1.9 9.5 E SE • 3 1.4 2.2 . 1 7.9 SΕ . 5 9.1 • 8 S S E . 6 2.3 6.5 • 8 5 1.2 2.0 8.1 5 S W . 6 . I 4.5 . 5 • 3 3.7 P . 6 . 9 . 3 2.2 9.6 . 6 2.4 6.3 . 9 2.0 1.6 4.2 5 . 7 .2 14.6 11.4 WNW • 3 1.1 2.6 4. 0 2.3 1.7 1.1 . 1 15.5 . 3 1.8 NW 3.0 6.1 4.1 3.1 . 1 19.4 15.3 NNH VARIABLE 4.4 /////

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOURLY OBSERVATIONS

STATION NUMBER	7: 727675	STATION	NAME:	MINOT AF	3 ND				PERIOD Month:	OF RECOR		-86 TJ: 1500-1	1700
DIRECTION OFFGREES)		4-6	7-10			D SPEED	IN KNOTS 28-33		41-47	48-55	GE 56	TGTAL 3	ME A N
N	1.0	1.2	1.4	1.5	•1	••••••	•••••	• • • • • •	•••••	• • • • • • • •		5.2	8.1
NNE	. 5	. 4	• 2		• 1	.1						1.4	6.6
NE	. 4	• 2	. 3									1.0	4 + 3
ENE	. 3	• 6	. 5	• 1								1.6	6.3
E	. 4	1.3	. A	• 6	. 2							3.3	7.6
f SE	. 9	1.9	1.6	1.1								5.5	7.2
SE	.6	1 • 4	1.1	. 5	• 1							3.8	7.2
SSE	1 1.4	• 6	. 5	. 4								3.3	<u>5</u> .4
S	! ! • •	2.5	1.7	1.3								5.9	7.5
5 S w	.3	. 8	. 4	. 9	.1	•1						2.6	9.5
5 w	. 3	• R	1.3	1.3	.1							3.8	· · 3
w S w	l ! .9	1.7	1.3	1.2	• 1							5 • 2	7.6
•	! ! •5	1.8	4.0	5.1	• 8	• 3	• 1					12.6	10.7
whe	!	1.9	4.1	4. 3	2.2	1.4	• 8					15.1	13.3
NW	! ! • 2	1.4	3.3	4.6	4.0	2.0	• 9					16.5	15.1
NAW	. 3	1.3	2.4	2.4	.6	.1						7.1	10.4
VARIABLE	1		• • • • • • • •	• • • • • • • • •		•••••	•••••••	•••••	•••••	•••••	•••••	•••••	
CALM	<i>///////</i>	1111111	,,,,,,,	/////.///	1111111	,,,,,,,	/////////	/////	,,,,,,,,	///////	,,,,,,,		
TOTALS	j 9.n	19.9	24.9	25. 7	8.4	4.1	1 + 7					100.0	9.8
	, • •												

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PERIOD OF RECORD: PERIOD OF RECORD: 17-86 MONTH: DEC HOURS(LST): 1907-2000 I WIND SPEED TN KNOTS DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TCTAL MEAN (DEGREES) | .6 .3 P.0 N . 6 1 . 6 . B 5.7 - 1 • 5 NNE . 1 1.0 5.4 • 2 . 4 NE • 3 2.9 6.9 . 4 . 6 ENE • 1 1.7 7.3 3.1 . 9 £ . 3 1.4 • 5 5.2 7.6 ESE . 8 1.5 1.9 1.0 5.5 SE . 9 . 3 4.3 1.1 5.8 1.0 SSE 1.7 1 . 3 . 8 4 . A 7.6 S . B 1.7 1.9 · . 1 . 5 • 3 . 1 • 1 SSW . 9 7.9 . 4 . 5 1.3 . 1 S₩ 1.0 8.0 1.1 1.9 1.7 1.5 • 5 WSW 9.1 14.2 1.0 3.9 5 . 2 3.1 • 6 3.7 1.5 . 1 13.3 12.2 WNW . 8 1.9 4.0 1.4 17.1 13.5 N le 1 . 2 3 • C ۥ1 2.5 2.5 . 1 NNM 1 . 3 2.0 11.7 VARIABLE CALM 6.2 ////// 9.0 100.0 TOTALS 4.5

GLOBAL CLIMATCLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SFEED FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINUT AFR NO PEPIOU OF RECORD: 77-86
MONTH: DEC HOURS(LSTI: 2100-23CO
MONTH: DEC HOURS(LSTI: 2100-23CO
MONTH: DEC HOURS(LSTI: 2100-23CO
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MONTH: DEC HOURS(LSTI: 2100-23CO
MONTH: DEC HOURS(LSTI: 2100-23CO
MONTH: DEC HOURS(LSTI: 2100-23CO
MONTH: DEC HOURS(LSTI: 2100-23CO
MONTH: DEC HOURS(LSTI: 21 MEAN IDEGREES? 1 WIND 9.2 5.2 1.5 1.1 . 4 1.6 7.9 NNE • 2 ۸E . 3 . 1 1.1 • 2 €.2 • 2 7.7 • 6 ENE • 5 . 1 ۶.5 Ł . 3 . 5 1.1 • 6 • 2 2.9 . 9 ۵. ۲ • 8 . 1 ESE 1.5 . 5 . ? 4.3 5.0 1.1 SE 2.2 SSE 1.3 1.6 . 5 5.9 5.7 ٤ 1.1 1.4 . 3 . 9 . 1 3.4 6.7 S 2 W • 3 . 2 . 4 . 1 • 2 2.0 9.3 . 1 2.3 7.8 . 6 • 6 1. 7.4 7.9 1 . 2 ۰.5 1.9 3 . 2 4.5 6. 3 2.2 1.1 - 1 . 1 15.4 12.6 UNU 1.7 2.2 2.2 13.5 4.1 5.3 3.1 . 3 16.6 NW • 2 1.9 1.6 NNW 1.1 2 . ? 1.5 . 4 . ì . 1 10.6 VARIABLE CALM 5.8 ////// 100.0 9.1 TOTALS 7.4 3.2 2 3. 3 . 1

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PEPIOD OF PECOPD: 77-86
MONTH: DEC HOURS(LST1: ALL #IND SPEED IN KNOTS
DIRECTION | 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL (DEGREES) | WIND 1.2 N 1.6 • 6 . 3 • 1 5.2 9.6 NNE . 5 . 2 . ? . 1 - 1 • 3 1.4 7.9 NE . 3 . ? . 2 . 1 . n . 9 5.7 . 2 ENE • 1 • 7 . 3 6.9 ٠,5 E. 1.0 . 9 • € • 2 7.8 € 5 € • 5 1.3 . 7 •0 4.2 ٥. ٩ SE . 9 1.5 . 9 . 1 4.1 6.7 SSE • 0 1.1 1.5 5.7 \$ ۹. 1.3 • 2 4.5 7.5 . 5 . 9 •6 . 7 . 1 . 1 2.9 9 • 3 . 5 SW 1.1 . 9 • 7 • 2 • 2 3.4 8.0 . 9 1.7 2.3 1.7 • 2 N S N 8 . 3 1.5 1.0 3.3 4.5 4.1 .2 • 0 0.4 . 7 1.9 2.1 UNW 2.9 4.5 1.3 . 4 • ŋ .0 13.9 13.1 . 5 NW 1.7 4.C 3 - 1 5 . 2 1.9 . 4 . 1 NNW 1.0 • 0 11.6 VARIABLE CALM TOTALS 21.1 24.0 8.5 3.9 100.0 9.4

PERCENTAGE FFECUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM MOUNLY OBSERVATIONS

STATION NUMBER	: 727675	5 TAT 1 ON	NAME;	MINOT AF					PERIOD MONTH:	OF RECO	RD: 77-		L
DIRECTION OEGREES!		4 ~6	7-10		17-21		IN KNOTS 29-33	34-40	41-47	48-55	GE 56	TCTAL	MEAN WIND
N]	1.3	2 • 1	2.5	1.9	4	.1	• • • • • • • • • • • • • • • • • • • •	-0		••••••	• • • • • • • •	9.3	a,7
NNE	.5	. 9	. 5	. 6	. 1	•1	• 3					3.1	7.9
NE	. 5	• 9	•6	. 3	.0	.0	• 1					2.2	€.5
ENE	. 4	• R	. 7	. 4	• 5	٠.5	• 7					2.4	7 • 1
E	. 7	1 • 4	1.6	1. 1	. 1	• 7	• 0	٠.5				5.7	° • C
E SE I	. 7	1 • 6	1.9	1.2	• 2	•1	• 0					5.6	£ .4
SE	1 • G	2 • 0	1.7	1.1	• 2	•1	• 7					6.0	7.6
388	1 • 5	1.9	1.5	1. 1	• 2	• 0	• 13					5.7	7,6
s	1 • 1	1 • 8	1.6	1.3	• 3	•0	• ?					6.1	7.9
SSW	. 6	1 • 0	• 9	. t	• 1	•0						3.4	7.7
Sw 1	. 6	1 • 1	1.0	. 6	• 1	•3	• 3					1.4	7.4
 	. 9	1.7	1.6	. 9	• 2	•0	. 0	• 0				5.2	7.7
. .	1.3	2.8	2.9	2.2	• 6	•2	. 1	· 0				10.1	÷ _8
นกม !	. 7	1 • 9	2 • 5	2 • 6	1 • 1	•6	• 1	• 3	• 0			9.5	11.2
NH I	. 6	1 • •	2.7	3.3	1.4	• 5	. 1	• 0				13.7	11.7
NNW 1	, 5	1.4	2 • 1	2.1	. 7	• ?	• 0	• 0				7.1	10.5
								• • • • • • •	• • • • • • •		· • • • • • • • • • • • • • • • • • • •		
VARIABLE Calm	111111111											4.3	111111
1													
TOTALS F	12.1	25 • 0	26.7	21.2	5.7		. 4	- 1	• 0			100.0	F • 3

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRFCTION VERSUS WIND SFEED FROM MOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AF3 NO PEDIOU OF FECORU: 77-87
HONTH: ALL HOURS(LST): ALL
CEILINGS 20G TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE
AND/OR
CEILINGS 20G FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

				• • • • • • • •		n SPEEN	IN KNOTS	• • • • • • • •	• • • • • •	• • • • • • • •	• • • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •
DIRECTION IDEGR <u>:</u> est		4 -6	7-10	11-16	17-21	22-21	28-33		41-47	4 A -55	GE 56	T(TAL %	ME AN WINU
N I	. 9	2. "	5•2	6.1	1.7	.5	.0		•••••		• • • • • • •	17.2	10.9
NNE I	.6	1.5	2 • 4	2.1	.5	• 2	• 0					7.5	٠, ٩
N£ 1	.4	1.1	1.7	٠ ٥	• 2	•1						4 . 3	P • 5
E NE	. 4	1.2	1.9	1.4	- 1	.1	. 0					5.1	1.9
Ł	. 6	1 • 7	3.9	3. 2	.5	.1	• 0	•0				10.0	٠.٩
ESE	.4	1.4	3.0	2.6	• 5	. 3	• 0					٩.5	10.6
26	} }	1 • 2	1.8	1. 7	• 3	• 1	• 1					5.1	٠.۴
SSE	} .4	1.3	1.4	1.2	• 2							4.2	a . a
s	1 . 3	. 5	1.2	. 6	• 1	•0						2.6	P.6
SSW	! .1	. 4	• 3	. 2								1.2	7.0
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W 5 W	{ .1	. 3	. 3	• 1	• 1	• "						1.0	° • 2
h	f l .4	. 7	.5	. 3	. 1	•2	• 0	• 0				2 • 3	9.5
wNw	1 .2	. 7	• 8	. 9	1.0	. 7	• 1	. 1				4.4	14.3
NW	l .3	1.1	2.3	3 • C	2 • 1	1.7	. 3	. 5				10.9	14.7
NNw	.3	1.4	2.5	3.5	1.6	. 9	• 2					10.5	12.7
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TOTALS	[6.0	17.4	24.4	2 P • 1	9.3	4.7	. A	•2				100.0	10.5
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CETEING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIRVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "O" THROUGH EQUAL TO OR GREATER THAN 25,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH FUNAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREGUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-YOUR TIME GROUPS BY MONTH, MUNTHEY AND ANNUALLY TALL YEARS COMBINED.

NUTES:

£

EFUINVING IN 1966, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A FILE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER SOME STATIONS REPORT FIGHER VALUES. THEREFORE, THE 19 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWLVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD RE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOR", ALL CEILINGS ABOVE SOON FEET WERE SUPPESSED TO SOON FEET. THEREFORE, NO PEPCINI VALUES AFPFAR ABOVE SOND FEET.

SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SHY COVER IN LITHER LOTHS OF COVERABL OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY CALL YEARS COMBINED).

ALSO PPESENTER ARE MEAN SKY COVERS.

FOR AIRMAY STATIONS, THE CONVERSION FROM THE AIRMAYS DESIGNATIONS TO TOTHS FOR PRESENTATION ARE:

CEEAH	-	6/10
SCATTERLU	-	3/10
BROKEN	-	5/10
OVERCEST	~	15/19
OFSCURED	-	1-/18

PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

S TA	TION N	UMPER:	727675	STATI	ON NAME:	M I NO	T AF3 ND						OF REC				
												MONTH			(LST1:		00
	LING								PILITY								
FE	ET I	7 C 2 E	GE 6	G E 5	GE 4		6E 2 1/2		GE 1 1/2		GE 1	GE 3/4	G F 5 / 8	G£ 1/2	GE 5/16	GE 1/4	6 F 0
	CEIF		52.3	52.6	53.4	53.9	54+0	54.1	54.1	54.1	54.6	54.8	54.8	55•1	55.2	55.2	55+2
SE	200601	53.9	55.1	55.4	56 • 2	56.7	56.8	56.9	56.9	56.9	57.4	57.6	57.6	57.8	58.0	59.0	56.0
6 E	103081	53.9	55.1	55.4	56 . 2	56.7	56+8	56.9	56.9	56.9	57.4	57.6	57.6	57.8	58.0	5°.0	56.j
GΕ	160031	53.9	55.1	55.4	56.2	56.7	56.8	56.9	56.9	56.9	57.4	57.6	57.6	57.9	58.0	58.€	58.J
	140001		55.3	55.6	56 • 5	57.0	57.1	57.2	57.2	57.2	57.7	59.0	58.0	58.2	58.3	58.3	5 6 € 3
G E	120001	54.8	56.0	56.3	57.2	57.7	57.8	58.0	58.0	58.0	58.5	50.7	58 • 7	58 • 9	59.0	59.0	د د د د
GE	100001	57.8	59.0	59.4	60 • 2	60.B	6C• 9	61.0	61.0	61.7	61.5	61.7	61.7	61.9	62.0	62.0	(2.0
GΕ	90001	58.6	59.8	63.1	61.5	61.5	61.6	61.7	61.7	61.7	62.3	62.5	62.5	62.7	62.8	62.8	62.5
GE	8000l	61.4	62.6	62.9	63.8	64.3	64.4	64.5	64.5	64.5	65.1	65.3	65.3	65.5	65.6	65.6	65.6
G F.	70001	62.5	63.7	64.3	64.8	65.4	65.5	65.6	65.6	65.6	66.1	66.3	66.3	66 . 6	66.7	66.7	66.7
G E	9C 00 l	63.C	64.6	65.2	66.0	66.7	66.8	66.9	66.9	66.9	67.4	67.6	67.6	67.9	68.0	6 a • O	66.0
GΕ	50001	64.5	66.3	66.9	67 • 7	69.4	68.5	68.6	68.6	68.6	69.1	69.4	69.4	69.6	69.7	69.7	69.7
GΕ	45001	65.9	68.1	68.9	69.5	70.4	7C • 6	70.8	70.8	70.9	71.3	71.5	71.5	71.7	71.8	71.6	71.8
GE	41001	66.6	69.3	70.2	71.2	71.9	72.2	72.3	72.3	12.3	72.9	77.1	73.1	73.3	73.4	73.4	73.4
3.0	35001	67.5	73.0	71.2	72.2	73.0	73.2	73.3	73.3	73.3	74.0	74.2	74.2	74.4	74.5	74.5	74.5
GΕ	30 00 i	68.7	71.2	72.5	73.5	74.4	74.6	74.8	74.8	74.8	75.5	75.0	75 • 8	76.7	76.1	76.1	76.1
G E	25001	71.1	73.7	75.1	76 - 1	77.2	77.4	17.6	77.7	77.7	78.4	78.7	78.7	78.9	79.0	79.0	79. 3
GE	20001		75.9	77.3	78.5	79.8	8C.1	80.4	80.5	80.5	81.2	81.6	81.6	61.9	P1.9	81.9	61.9
6.5	18001		76.6	78.J	79.2	80.5	aC • 9	81.3	91.4	01.4	92.0	87.5	82.5	82.7	82.8	62.8	P 2 • 6
GE	15001		78.9	80.3	P1.6	82.9	E 3. 3	8 9	84.1	84.1	84.8	85.3	85.3	85.5	R5 . 6	85.6	P5.6
GΕ	12001		81.2	82.6	83.9	85.6	86.8	86.6	86.9	86.9	R7.8	88.	88.4	88.7	88.8	89.8	88.5
G E	10031	72 (я 3 • 7	85.1	96.3	68.4	86.6	89.7	93•0	90.0	91.1	91.5	91.6	91.9	92.0	92.2	92.2
GE		79.0	94.4	85.9	87.2	69.2	89.7	90.5	93.9	90.9	91.9	92.4	92.6	93.0	93.1	¥3.2	93.5
GE		79.1	84.7	86.2	87.5	89.7	95.1	91.3	91.5	91.5	92.6	97.2	93.5	94.0	94.2	94.3	94.6
6 E		79.2	95.3	86.8	88.2	90.3	90.9	91.7	92.3	92.3	93.3	94.7	94.3	74.7	94.9	95.1	95.4
GE		79.5	35.5	67.0	88.4	90.5	91.1	91.9	92.5	92.5	93.7	94.4	94.7	95.2	95.4	95.5	95.8
6 €	s and	79.7	97.5		89.1		63.3	93.0	23.5	93.5	95.2	95.9	96.2	96.9	97.1	97.2	97.5
6 E		79.7	96.2 86.2	87.7 87.7		91.6	92.2		93.8	93.5	95.4	96.3	96.7	97.3	97.5	97.6	96.3
GE		79.7	86.5	88.1	89.2 89.6	91.7	92.4 93.0	93.2 94.1	94.5	93.5	96.1	97.1	97.4	99.2	98.4	94.5	96.2
υE		19.7	66.5	8 P • 1	89.b	92.4	93.0 93.0	94.0	94.5	94.5	96.2	97.1	97.4	98.4	98.4	99.0	49.8
σE		79.7	96.5	88.1	89.6	92.4	43. C	94.5	94.6	94.6	26.5	97.4	97.7	98.6	68.9	99.2	100.0
6 E	21	79.7	96.5	98.1	89.6	92.4	93.0	94.0	94.6	94.6	96.2	97.4	97.7	98.6	98.9	99.2	100.0

GLOBAL CLIMATOLOGY BRANCH

PERCENTAGE FREQUENCY OF OCCURRENCE OF CELLING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR MEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO PERIOD OF PICORD: 78-67

MONTH: JAN - HOURS (LTT): GRON-05-00 ILING VISIPILITY IN STATUTE MILES ****************************** GE GE 3 2 1/2 r i GE GF GF 2 1 1/4 6€ 1 5/3 1/2 1/16 10 £ 55.9 55.9 45.4 56.0 NC CEIL 1 51.9 55.3 55.5 55.6 55.9 56.1 E. 6. . . 15.2 54.1 54.6 66.2 6.7.5 9,5 . . . 56.9 57.2 57.2 57.4 51.5 57.5 6E 200001 53.2 55.4 56.6 56 • 8 56 • 9 57.2 51.2 57.3 5,7 6, 57.6 57.6 r 7. . . GE 180001 53.3 GE 160001 53.3 GE 140001 53.3 57.3 57.3 57.6 57.6 55.5 55.5 56.0 56.0 56.7 56.7 57.3 57.3 57•3 57•3 57.6 57.5 57.6 67.6 57.E 56.4 57.0 57.3 57.6 57.6 . 7. -55.5 56 . 7 55. 1 57.0 57.3 57.3 57.3 55.5 UE 120001 54.5 56.7 64.3 GE 100001 57.3 GE 90001 58.3 GE 80001 59.7 61.C 61.3 41.6 51.6 60.6 60.9 61.3 61.6 67.7 64.3 59.5 60.0 t 1 . 6 63.5 67.6 62.7 62.7 54.3 62.7 61.7 61.9 62.4 62.4 62.4 61.1 € 2 • C 64.7 63.5 64 • C 64.0 64.0 64 . C 70001 65. 1 65.3 60001 61.8 64.1 64.6 65.4 65.7 €5.8 66 .2 66.2 66.2 46.2 66.6 16.1 55.6 - 6 - 6 65.6 67.6 64.9 ي ۽ ي 50001 63.9 09.6 64.6 6 F . H 64.4 46.9 GE 66.3 66.9 68.6 65.6 69.9 68.0 68.1 £9,5 45801 64.9 68.1 69.8 69.1 70.0 73.0 71.1 72.7 70.0 73.1 71.4 73.0 73.3 73.3 77.1 70.3 6 E 67.5 70.0 68.8 68.2 69.6 71.1 73.2 71.8 71.1 11.1 71.1 71.7 70.3 12.7 *5.3 35 001 66.3 69.7 72.2 73.0 77.E ĿΕ 25001 69.7 73.8 74.5 75.4 76.3 17.3 77.3 77.3 77.3 77.5 77.6 11.6 77.6 P1.3 81.7 P1.7 -1.7 2000| 72.0 1800| 72.5 76.8 77.6 77.7 81.3 82.4 81.6 H1.7 61.7 6 E 78.8 80.3 90.6 81.3 61.5 79 . 8 81.4 91.7 82.4 02.4 R2.8 02.0 62.B 5 Z , 6 78.6 83.9 82.9 83.2 85.5 R4.4 44.4 94.4 6 E 15001 73.7 79.0 80.0 81.2 84 . C 84.7 94.0 94.5 . 4 . 4 -4.4 17001 74.8 8 b . 1 96.3 86.9 P6.9 GΕ 51.6 86.1 06. 3 P9.1 10001 76.1 9301 76.7 ₹0.5 ¥1.9 90.9 91.7 92.8 91.7 91.9 92.0 G E P 3.4 £5.8 P P . 8 F 4 . 1 87.8 93.5 91.9 c1.3 93.4 23.4 89.8 90.2 91.8 GΕ 34.2 85.5 06.7 96.1 93.8 93.1 91.2 95.3 86.3 n7.6 91.1 91.5 93.4 94.2 94.6 95.1 95.3 95.3 6 F 94.1 94.1 94.8 91.4 95.F * CC | 78.1 41.6 22.2 92.8 96.1 95.4 86.9 56 - 1 95.1 9-, . 1 56.3 401 75.2 3001 78.2 2001 76.2 98.D 96.0 27.5 47.5 87.5 88.4 92.8 73.3 94.1 95.4 y 5 . 4 26.1 96.8 97.2 98.6 98.7 86.3 86.3 87.8 93.7 G F 89.1 93.1 94.4 95.7 95.7 96.9 97.5 98.5 98.6 78.6 97.6 98.1 89.1 93.1 94.1 94 .4 95.7 75.7 96.4 78.7 100.0 JA . 7 97.6 G E 01 78.7 86.3 89.1 93.1 93.7 94.4 95.7 95.7 96.4 98.1 79.7 28.7 99.7 100.0

PERCENTAGE FREGLENCY OF OCCURPENCE OF CEILING VEHSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMPER: 727675 STATION NAME: MINOT AFR NO PEPIGO OF RECORD: 78-67
HOWIN: JAN HOURS(EST): 3630-0600 CEILING IN I GE FEET I 10 58 116 r.E GF 174 J 5/8 1/2 40 CEIL | 47.7 47.8 50.5 52.4 42.4 SE 200001 49.0 51.9 52.7 43.1 44.6 14.6 54.5 55.3 45.4 55.4 55.4 55.4 45.4 4 . . 4 • 5 . 6 50.00 SE 192051 49.1 OF 16031 49.1 OE 140331 49.1 55 5 55 5 55.5 55.5 54.7 55.3 55.3 55.1 55.5 55.5 65.5 52.0 52.4 53.2 54.7 54.7 55.5 s. i. . 7 52.8 52.8 54.7 52.0 52.0 54.7 5 5 6 5 5 6 6 9 53.2 55.7 53.2 54.7 4.4. 7 54.7 55.3 55.5 OF 120001 49.6 53.2 95.2 50.0 د د ، ب 52.5 50.2 55.7 55.7 55.9 65.9 55.9 · 6. 1 57.4 67.7 67.7 67.1 68.6 50.6 59.1 59.4 60.8 40.4 c G . 6 GE 100001 57.0 55.9 56.7 59.6 59.1 59.4 5-.4 59.4 67.8 62.7 63.8 57.2 5 P . 1 16.5 63.0 69.9 60.8 60.8 62.7 61.8 90001 54.2 6 C • C 60.5 €3.0 41.0 60.5 80001 56.0 70001 56.8 59.1 60.3 60.9 60.4 61. 7 61.4 61.9 62.5 62.5 62.7 63.8 62.7 63.F 62.7 63.8 62.9 61.0 61.4 62.7 60001 57.6 61.0 62.4 63.4 61.9 63.9 64.7 64.7 64.7 44.7 64.7 50001 59.0 62.9 64.5 64.7 67.2 67.2 17.5 3 € 66.3 66.5 66.6 £7.1 67. 67.5 67.5 67.5 6.7.7 4500| 63.6 4200| 61.3 3500| 62.2 64.7 F5.4 13.5 62.6 69.5 69.6 69.6 71.0 69.5 71.0 72.2 .. . 65.8 66 . : 69.5 46.4 69.5 69.2 69.6 49.0 69.1 67.9 56.7 67.5 64.6 73.6 71.0 71.2 7C+ 6 66.5 68.5 70.1 12.6 72.2 G. F 77.9 71.7 71.7 72.2 72.2 72.2 3000 63. 77.7 GE 6 R . 9 1. 4 74.6 14.0 74.9 74.3 74.0 73.5 71.-14.3 14.6 71.2 74.5 76.5 Ŭ€ 25001 64.4 69.1 14.6 26.0 76.7 76.5 16.5 16.5 76.5 76.7 79.7 HJ. 1 AZ. 7 80.1 80.9 81.7 A3.1 80.1 80.9 20001 66.5 19031 66.6 71.4 15.5 11. -78.1 10.5 19.7 90.1 1.0k 4.04 n E . 3 72.4 74.4 79.1 F 7 . 9 GE 75 • 7 77 • 7 74.5 72.5 61.3 e2.7 90.9 93.2 81.1 83.4 H.C. € 43.7 6.5 12001 70.8 76.7 70.0 PL . 1 46.7 84.7 86.7 86.9 Pb . 8 86.8 F 7 . 3 Bc.9 87.2 84.7 £5. 4 69.3 83.S 96.2 6 E 10001 72.3 78.7 81.2 82.5 Pe. 3 99.8 91.1 90.0 90.0 9001 72.8 8001 72.9 7001 77.2 47.5 22.3 GΕ 79.4 A 3 . 7 57.1 HR .4 90.2 91.0 91.1 91.1 91.3 91.3 91.6 92.2 91.3 91.6 82.3 82.8 84.0 94.5 67.4 19.0 нч.я нч.ч 93.6 91.9 91.9 91.9 92.4 6.5 14.5 × 1. 6 * D . A 91.1 91.6 45.4 91.5 92.6 80.0 83.4 72.4 6331 77.4 94.9 60.6 A . . A 93.5 93.5 H4 .. 45.4 69.5 is F 1001 74.1 41.3 ~ y , G 93.7 94.6 94.7 64.5 95.3 99.3 25.3 95.9 97.7 4001 74.4 6 F 01.9 40.4 ψέ.φ Ψ1.0 97.1 92.4 94. H 94. 9 44.8 44.9 96.2 96.2 96.7 97.1 64 .n 46.0 94. 1 96.3 96.7 96.8 7 401 74.4 92.3 40.4 40.5 96.7 98.5

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46 . 6

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96.4

97. 1

97.4

96.7

97.1

97.4

97.4

97.8

99.3

98.0

98.2

98.3

98.3

98.3

99.6 100.0

TOTAL NUMBER OF OBSERVATIONS:

42.7

F 2 . 2

-2.2

A5.1

85.1

95.1

97.1

A7 . i

87.1

47.4

57.5

97.5

41.2

41.2

11.1

i. F

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2001 74.4

1001 74.4

C1 74.4

PERCENTAGE FREQUENCY OF UCCURRENCE OF CEILING VERSUS VICIALLITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB NO

PER100 OF ACCURD: 78-87 FILTEG VISIBILITY IN STATUTE MILES MONTH: JAK HOURS(EST): 0900-1100 CEILING GE GE 3 2 1/2 GE. GE GE 1 1/2 1 1/4 GΕ 6[1/4 uE C FEET | 1 1 ŧ 1/2 1 NO CE1L 1 46.5 48.1 49.8 52.5 53.4 54.3 L 4 . 4 GE 200001 48.3 50.5 52.3 53.C 54.5 54.7 56. L 56.1 c6.9 57.7 57.3 57.2 57.3 51.3 57.0 . 7. 2 : 7.6 57.1 54.7 54.7 54.8 54.9 54.9 55.1 57.7 57.7 57.7 57.2 57.2 57.3 GE 180001 48.5 GE 160001 48.5 50.8 50.8 52.5 52.5 53.2 53.2 55.4 55.4 56.2 56.3 57.1 57.1 < 7.3 57.4 67.8 . 7 . 3 56.2 56.3 57.4 GE 140001 48.6 GE 120001 49.7 52.6 57-9 53.3 55.5 6.0 57.5 54.4 55.9 56.1 56 .7 57.5 56.4 59.5 UE 100001 52.9 UE 90001 54.6 GE 80001 57.8 57.1 58 - 1 59.6 59.8 69.3 62.3 61.3 62.2 61.4 62.3 62.2 62.3 67.4 12.5 G E 59.8 63.5 57.1 61.7 61.5 63.2 63.3 64.1 64.2 64.2 69.3 69.7 64.4 UP.E 64.2 f 4 . c 60.5 62.5 65.6 67.0 66.1 68.1 69.5 69.7 65.4 67.1 67.2 68.3 68.5 64. 76.4 70001 66.8 68.5 68.6 60001 59.6 υE 62.4 64.3 65.5 £7.3 67.5 65.1 69.0 73.8 10.2 71.0 GF 50001 60.4 63.5 65.6 66.9 68.8 69.G 69.7 73.6 70.H 71.9 72.1 12.1 45001 61.7 40001 62.4 35001 63.3 64.8 65.5 67.5 66.2 70.2 76.4 71.2 72.3 73.3 72.4 73.5 73.3 74.6 73.5 74.4 73.5 74.9 73.8 75.2 71.9 ĠΕ 71.3 71.3 72.0 74.9 15.7 5 A . 6 υE 66.5 70.0 72.4 72.7 73.4 14.7 75.1 76.1 76.5 76.5 75.5 16.8 30001 63.9 75.3 76.7 79.1 74.5 79.5 . . . 1 74.8 74.2 G.F 25021 64.8 68.9 73.1 71.6 75.7 76.0 77.1 78.5 74.9 PO.0 87.4 63.4 63.6 50.B 80.4 61.2 75.6 75.9 13.4 73.8 74.9 75.5 78.C 78.9 79.6 L. F 27401 66.1 77.6 97.3 A 5 . 3 83.4 81.1 41.5 P 2 • 9 03.8 53.4 44.5 18001 66.3 79.6 a (. 3 82.4 84.5 82.R 84.7 54.9 67.1 84.9 87.3 65.4 67.7 80.9 F4. 1 84.8 05.3 15001 67.6 12001 68.3 G F 72.3 75.2 77.0 80.2 a i. . 5 96.6 97.1 ...3 97.6 86. G 87.6 73.4 76.5 76 - 4 H1.7 82.2 Au ...2 4 C . 1 1001 68.9 17.8 79.8 83.7 64.1 65.1 66.1 67.1 08.4 89.6 88.0 90.6 91.5 91.6 92.3 35.0 92.8 63.3 9001 69.2 75.6 75.9 G E 79.7 84.6 92.7 97.2 93.7 89.5 21.9 92.8 23.5 72.9 44.1 94.6 P1.3 85 • 2 85 • 5 45.6 87.6 88.1 90.1 92.5 93.4 G E 79.2 49.6 94.7 95.3 7001 69.8 93.0 14.6 44.2 24.9 C L . 7 G E 6501 69.9 76.3 79.7 61.6 86.0 BA . 7 90.8 36.3 45.2 46.8 5001 70.2 89.4 90.1 90.2 +1.9 92.7 76.8 50.1 97.2 62.4 86.6 87.C 67.7 91.4 c7.8 G F 4001 70.2 76.8 62.8 95.6 9/ . 96.7 96.8 97.4 98.1 98.5 98.8 91.8 *001 70.2 2001 70.2 lo £ 76.8 80.2 82.8 87.3 £ 7. 7 92.3 y2.8 95.7 96.6 95.3 76.8 60.2 82.8 F 7 . 3 87.7 90.2 92.3 92.8 25.7 94.4 97.0 97.7 36.5 98.7 49.6 1471 70.2 87.2 99.9 95.7 90.7 92.5 94.4 97.0 97.A 176.0 98.6 6 F 61 70.2 76.A 80.2 82.8 87.3 F 7. 7 92.3 92.A 95.7 91. . 8 97.4 97.A 96.6 58.9 1ma.a

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

S TA	ITION N	UMBER:	727675	2 TAT 1	CN NAME	: MING	T AFS NO	1				PERIOD MONTH	OF PEC		-67 (LST1:	1230+14	20
	LING								BILITY								
	IN I	GE	GE	GΕ	GΕ	GE	GE	G E	GF	GE	GE	C. F	GF	GE	UE	GF	GF
	ET	10	6	5	4		2 1/2		1 1/2		1	7/4	518	1/2	5/16	1/4	5
• • •		• • • • • •	• • • • • •	• • • • • • •	•••••	• • • • • • •				• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	
N C	CEIL	45.9	49.2	5 2 • 1	50.6	51.9	51.9	52.6	53.7	54.0	54.4	54.6	54.7	54.7	64.8	54.9	54.9
			-				-			-4.0		30					,
	200001		53.8	54.7	55 • 4	56.7	56.7	57.3	58.6	59	c9.5	59.8	59.9	20.0	40.0	ნ^.1	66.2
	180001		5 3 . 8	54.7	\$5 • 4	56 • 7	56.7	57.3	58 • 6	59.7	59.5	50.9	59.9	57.9	63.3	63.1	66.7
	160001		53.8	54.7	55.4	56.7	Se. 7	57.3	58.6	59.0	59.5	59.A	E. 9 . 9	59.9	60.3	60.1	60.2
	149031		53.9	54.9	55.5	56.9	56.9	57.5	58.8	59.2	59.8	60.1	60.2	60.2	69.3	62.4	€2.5
C E	150001	51.2	54.5	55.5	56.1	57.5	57.5	58.3	59.6	50.2	60.8	61.1	61.2	61.2	41.3	61.4	£1.5
G F	Incont	54.5	58.7	59.7	60.4	61.8	61.8	62.7	64. L	64.6	65.3	65.5	65.7	65.7	65.8	65.9	66.3
GE	92001		60.0	61.0	61.7	63.1	63.1	64.3	65.4	66.0	66.7	67.7	67.1	67.1	67.2	67.3	67.4
GE	80001		63.7	64.6	65.5	67.2	67.3	68.2	69.6	73.2	71 - 1	71.5	71.6	71.6	71.7	71.9	72.0
3.6	70001	59.7	64.8	65.8	66 . 7	68.4	60.5	69.4	70.5	71.4	72.3	12.7	72.9	12.9	12.9	73.1	73.2
GΕ	60001	69.1	65.3	66.3	67.3	69.1	69.2	70 - 1	71.5	72.2	73.0	77.4	73.5	73.5	73.7	13.9	74.0
GE	5ccal	61.2	66.7	68.0	69.2	71.4	71.6	72.5	73.9	74.6	75.5	75.9	76.0	76.7	76.1	76.3	76.5
G.E	45601		67.2	59.6	70.2	72.8	73.0	73.9	75.4	76.1	77 • C	77.4	77.5	77.5	77.6	77.8	76.0
ù E	40001		68.3	69.7	71.3	74.1	74.4	75.3	77.5	78.3	79.2	79.7	79.8	79.4	79.9	60.1	F C • Z
GF	35001		68.9	70.5	72.3	75.4	75.7	76.6	78.8	79.6	80.5	81.5	A1.1	31.1	1.2	61.4	£1.5
5€	30001		69.8	71.6	73.3	76 • 6	76.9	77.7	83.3	01.1	A2 . D	87.5	82.6	82.6	92.7	63.0	P 3 • 2
							, , ,								• • •	• -	***
GΕ	25 651	€3.9	70.9	72.9	74.7	70.4	78.7	79.6	92.3	p.3 • ⊃	84 . C	84.4	84.5	84.5	£4.6	84.5	P5.2
6 E	2000]	65.2	72.5	74.5	76 . 6	63.3	#C. 8	81.7	84.4	05.2	96.3	86.0	96.9	86.9	87.1	87.6	97.8
5 €	18001	65.3	12.7	74.7	76.9	83.6	s 1 • 1	82 .C	84.6	45.6	P6.9	87.4	P7.5	87.5	P7.7	88.3	66.5
GΕ	15001	66.1	73.7	75.7	76 . 2	82.0	84.5	83.5	86.3	a7.1	RB . 5	89.1	P9.2	49.2	99.5	90.0	95.2
GE	12001	67.1	75.1	77.4	79 .7	B 3 + 4	P4.2	65.4	84.5	89.4	91.0	91.6	91.7	91.9	92.0	92.6	45.8
3.0	10001	69.3	76.2	7 P . E	80.9	84.5	65.4	86.6	89.7	90.5	92.3	93.2	93.4	93.9	94.2	94.7	94.9
ĞĒ	9001	68.3	76.2	78.6	80.9	85.1	P5.5	86.8	89.4	9 J . A	92.6	9 7	91.9	94.3	94.6	95.2	95.4
6.5	1 ca P	68.0	16.6	19.3	81.4	65.6	86. D	57.3	90.4	91.3	93.1	94.3	94.5	94.9	95.3	95.8	96.0
GF	7601	68.7	76.9	79.4	P1.8	86.1	F to 6	67.A	91.0	91.5	93.7	94.8	95.1	95.5	95.8	96.5	96.7
GΕ	6001	69.1	77.4	79.9	A2.5	66.9	o 7 • 3	09.7	91.9	92.9	94.9	96.2	96.5	96.9	27.2	97.8	98.2
GΕ	Soni	69.1	77.7	80.2	82.4	87.4	o 7 • 8	89.4	92.6	93.5	95.7	97.7	97.4	97.8	98.2	99.8	99-1
GE		69.1	71.7	80.3	83.0	87.5	86.6	69.5	92.7	93.7	95.8	97.3	97.5	98.0	98.3	99.9	99.2
GE		9.1	77.7	80.3	83.0	£7.6	ht.l	83.6	92. h	93.9	96.0	97.6	97 d	98.3	98.7	99.4	59.8
G F		69.1	77.7	80.3	83.0	87.6	88.1	89.6	92.8	43.9	96.1	97.7	98.C	98.5	98.9	99.6	100.0
GΕ	1001	69.1	77.7	e D . ś	83.J	P7.6	P8.1	87.6	92.8	93.9	96 • 1	97.7	98.0	₹8.5	98.4	94.6	100.0
GΕ	10	69.1	77.7	80.3	A3.J	87.0	a8. 1	89.6	92.8	93.9	96.1	97.7	98.3	98.5	98.9	40.4	10G•n
J.							0.4	0 7 . 6	72.8	73.4	40.1	7 ' • /	46.0	70.63	-8 • 9	, , , ,	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIN MENINER SERVICENIAL

STATION NUMBER: 727675	STATION NAME:	MINOI AF	3 ND					OF RECO				
							MONTE			LST1: 1		
CEILING	,		v.	12 1 P 1 L 1 T Y				•••••	•••••	• • • • • •		
IN GE GE	G (LF	GE C	SE GI		GE	GE	GŁ	Gf	GŁ	51	G E	ان
FEET 10 6	5 4	3 2 1		2 1 1/2		1	7/4	5/6	1/3	5/16	1/4	٥
	•••••	• • • • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••	• • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •
NC CEIL 47.0 48.7	49.4 49.6	51.3 51	51	.7 52.2	52.3	52.7	52.9	52.9	53.1	<3.1	51.2	53+2
GE 20000 51.8 53.8	54.4 54.8	56.5 56	. 5 56	.9 57.3	57.4	58.0	50.3	59.3	59.5	5 8.5	49.6	* H . 6
GE 187001 51.8 53.9	54.5 54.9	56.6 56	6 57	.0 57.4	57.5	58.1	59.4	58.4	58.6	53.6	2ª.7	55.7
GE 160001 51.8 53.9	54.5 54.9	56.6 56	5.6 57	.0 57.4	57.5	< B . 1	5 P • 4	59.4	58.6	50.6	5 A . 7	5 n • 7
GE 140001 52.2 54.2	54.8 55.3	56.9 56	5.9 57	•3 57.7	57.8	58.4	50.7	58.7	53.7	54.7	57.0	5 9 . C
UE 120001 52.9 55.1	55.9 56.3	58.1 58	1 5P	•5 58.9	59.0	59.6	50.9	59.9	60.1	60.1	50.2	60.2
5E 100001 47-3 59-5	60.3 60.8	62.5 62	6.6 63	•n 63.4	63.5	64.1	64.4	64.4	64.6	64.6	4.4 . 7	€4.7
GE 90481 58.3 60.4	61.3 61.7	63.4 63	5 64	.0 64.4	64.5	65.1	6 ° . 4	65.4	65.6	65.5	65.7	65.I
GE 8000 61.0 63.7	64.7 ES.2	67.1 67	1.2 67	.6 63.1	68.2	68.7	60.)	63.0	69.2	49.2	69.4	€ 5 . 4
GE 7000 62.2 65.1	66.1 66.6	68 . 7 68	69	.4 69.A	63.3	70.5	19.9	73.5	71 - 1	71.1	71.2	7
GE 60001 62.6 55.7	66.8 67.2	69.4 69	6.6 70	.) 70.5	70.6	71.3	71.5	71.6	71.8	71.8	71.9	71.4
GE 50001 63.2 66.3	67.4 68.1	77.6 71	.0 71	.6 72,0	72.3	72.9	73.2	73.2	73.4	73.4	73.5	23.5
6E 45001 63.8 67.4	68.6 69.2	72.2 72	.5 73	.1 73.5	73.9	74.4	74.7	74.7	74.7	74.4	75.1	75.1
GE 4700 65.1 69.9	70.5 71.6	74.5 74	1.8 75	.7 76.1	76.3	77.C	77.3	77.3	77.5	77.5	77.6	77.6
GE 35001 65.6 69.9	71.6 72.8	75.7 76	. C 76	.9 77.3	77.5	70.2	70.5	79.5	79.7	74.7	74.8	7 H • D
GF 3000 66.2 71.3	73.1 74.3	77.4 77	7.7 78	.6 79, 2	79.5	40.5	8 D • 6	FJ.6	81.3	91.C	c1.2	- 1 - 5
GE 25001 66.9 72.0	74.0 75.4	78.7 79	.0 80	.1 91.0	82.2	92.2	82.5	P2.5	82.8	02.8	0.50	63.1
GF 2000 67.4 73.3	75.6 77.0	83.4 40	. 8 81	.9 82.9	83.1	84.1	84.6	A4.6	84.0	84.9	85.4	£ 5 . 5
GE 18001 68.0 74.0	76.3 77.7	81.2 FI	1.5 82	•7 P3.7	a 3. 9	8.44	gr.u	95.4	85.7	P5.7	86.1	Pt.2
GE 15001 69.4 76.1	78.6 80.0	83.8 84	.1 85.	.4 86.3	86.7	P7.6	80.7	44.2	99.6	88.9	8 3 · A	6 4 ₆ 5
GE 1200 73.8 77.8	80.3 81.9	85 • 8 PE	. 3 87	·6 88.7	49.3	20.4	91.0	61.0	91.4	91.8	97.3	92.5
GE 10001 71.8 78.9	81.5 83.2	67.3 67	7.8 69	.2 93.4	90.8	92.0	97.7	94.3	14.5	25.1	95.6	95 e 8
GE 9001 72.2 79.5	82.2 83.9	88.3 36	. 5 89	.9 91.3	91.6	93.8	94.0	95.	45.7	96.2	95.8	97.0
5E 8001 72.4 79.9	92.9 94.6	88.7 55	.5 93	.9 92.3	92.6	94.7	91.8	26.1	97.3	97.5	99.1	9h+3
GE 7001 72.6 93.1	83.2 P4.9		8 91		45.3	95.3	91.3	96.7	97.6	4.89	9 P . 7	98.9
GE 6001 72.9 80.5	83.7 85.4	89.7 95	91	•6 93.0	93. T	95.7	3 v * v	97.1	98.1	44.6	00.1	6 6 - 4
GE 5001 72.9 80.5	83.7 85.4	69.7 90	. 91	.6 73.0	93.3	95.7	94.9	97.2	28.2	26.7	99.2	49.5
GE 4001 72.9 90.5	83.9 65.6	89.9 90	4 91.	.8 93.2	43.5	94.9	97.1	97.4	99.4	98.9	99.5	44.7
GE 100 72.9 80.5	83.9 85.6	90.3 %	. 5 91	.9 93.3	93.7	96.0	97.2	97.5	48.5	99.3	99.6	99.6
6E 200 72.9 80.5	83.9 95.6		. 5 91	.9 93.3	93.7	96.0	97.2	91.5	99.5	94.3	44.6	99.0
GE 1031 72.9 40.5	83.9 85.6	40.1 .0	.5 91	.9 93.3	73.7	96.C	97.7	47.5	98.5	99.0	99.6	100.0
GE 31 72.9 93.5	83.9 85.6	90.0 90	5 91	.9 93.3	¥3.7	96.	97.2	97.5	99.5	20.3	99.6	176.3

PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFR NO

STA	ITION N	UMBER:	727675	I TAT 2	CN NAME:	M I NO	T AFB ND					PEPIOD	OF REC) FO: 78	-67		
												HONTH	: JAN	HOURS	(LS1):	1907-20	CC
	LING	• • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • •	•••••						• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	
1		GL	G£	GE	GE	GΕ	30	Q F A 1 2 I	Gr	IN STATE	GE BE	68	G.F	GŁ	GΕ	GE	6 €
	ET I	10	ě.	, r	4		2 1/2		1 1/2		1	3/4	5/b	1/2	ر/16 16	1/4	UE S
											• • • • • •					• • • • • • •	
N C	CEIL	50.1	51.5	52.0	52.6	53.4	53.5	54.1	54.3	54.3	54 • 4	54.7	54.7	54.8	55.1	55.1	55.1
GΕ	250001	53.4	54.8	55.4	56.0	57.2	c 7 . 3	57.8	58.1	58.1	56.2	54.5	58.5	59.6	56.8	58.9	58.5
6 E	180001	53. 5	54.9	\$5.5	56 . 1	57.3	57.4	59.0	58.2	58 · 2	58.3	5 P . 6	59.6	59.7	58.9	59.0	59.0
(, E	160001	53.5	54.9	55.5	56.1	57.3	57.4	58.0	58.2	58.2	5,8 . 3	50.6	58 • 6	58.7	58 • 9	59 a n	9.0
G E	145301	57.P	55.2	55.7	56.3	57.5	57.6	59.2	58.4	55.4	58.5	5 A _ 8	58.8	54.9	59.1	59.2	59.2
ĿΕ	120001	54.9	56.3	56.9	57.5	58.7	5ۥ8	59.4	59.6	50.6	59.7	67.7	60.0	6 Ú. Í	63.3	60.4	£ 6 • 4
	100001	67.0	59.2	59.8	(2 "		r - c										
					60.4	61.9	62.0	62.6	62.8	62.8	62.9	67.2	63.2	63.3	63.5	63.7	63.7
G E			59.8 62.7	60.3 63.2	61.3	62.5	62+6	63.1	63.3	63.3	63.4	67.5	63.8	63.9	64.1	64.2	64.2
	70001		64.4	65.1	63.9 65.8	65.4	65.5 67.4	66.0 68.0	66 • 2 68 • 2	66.2 ut.2	66 • 3 68 • 3	66.7 68.6	66.7 68.6	65 • R 68 • 7	67.3 68.9	67.1	67.1
6 8			65.2	65.8	65 • 6	69.1	66.2	68.8	69.0	69.0	69.1	69.5	69.5	69.6	69.8	69.9	69.0 69.9
0.	0. 001	0 3 • 3	0 3 • 2	0 7 •0	00.0	0 1 • 1	60.2	00.0	67.0	0,,,	07.1	0,4,	07.3	07.0	67.0	6 7 . 7	(7 • •
GE	50001	64.4	66.6	67.3	68.5	70.1	70.3	71.0	71.2	71.2	71.3	71.6	71.6	71.7	71.9	72.0	72.0
GE	45001	65.4	67.7	6.93	69.9	71.5	71.7	72.4	12.6	12.6	72.7	71.5	73.0	73.1	73.3	73.4	73.4
ĿΕ	40001	65.P	68.3	69.1	70.5	77.4	72.7	73.3	73.5	73.5	73.7	74.9	74.0	74.1	74.3	74.4	74.4
6 E	35 00		69.2	70.2	71 - 7	73.7	74. C	74.6	75.2	75.2	75.3	75.6	75.6	75.7	75.9	76.3	76.C
GE	30001	67.5	73.5	71.9	73.3	75.4	75.7	76 • 3	76.9	76.9	77.2	77.6	77.6	77.7	ن. 78	78.2	78.2
5 g	25 00 [68.6	72.6	74.2	75.8	78.1	78.4	79.1	79.7	79.7	#0.C	87.4	A0.4	80.5	8.C4	a1.0	€1•c
6 E	23001		74.3	76 • U	77.7	65.0	90.5	01.3	82.0	8 Z • N	92.4	62.0	82.8	82.9	e 3 • 1	a3.3	93.3
GE	1850		75.7	77.4	79 • 1	81.6	82.2	82.9	83.7	e3.7	84 . G	84.4	84.4	84.5	84.7	84.9	F4.9
Ğ.€	15001		78.4	80.1	82.3	84.6	£5.4	86.1	87.1	87.4	A7.8	8 . 3	88.4	88.6	P8.8	89.2	P9.0
(, F	12001	74.1	a 0 • 4	82.4	84.3	87.2	97.7	88.7	90.0	90.3	91.6	91.5	91.7	91.9	92.2	92.4	92.4
	_																
GF	10001		82.2	84.1	P6 • 1	89.4	30∙ C	91.C	92.5	92. P	93.7	94.6	94.8	95.1	95.3	95.5	95.5
GE		75.9	e 2 • 7	84.7	86 • 0	90.0	90.6	91.6	93.1	93.4	94.3	95.5	95.8	96.0	96.2	96.5	96.5
G F		76.2	83.3	85.5	A7.5	90.8	91.4	92.4	93.9	94.2	95.2	96.7	97.3	97.2	97.4	97.6	97.6
Ú E		76.2	93.3	85.5	87.5	90.9	91.5	92.5	94.1	94.4	95.4	97.1	97.4	97.8	78.1	99.3	98.4
ŞΕ	6021	76.4	93.7	95.8	87 . 8	91.2	91.8	92.8	94.5	94.5	95.B	97.5	98.3	95.5	98.7	99.9	99.0
6€	5001	76.7	F 3.8	85.9	88.0	91.3	91.9	97.9	94.6	+4.9	95.9	97.6	98.2	98.7	98.9	99.1	99.2
úΕ		76.8	A 3. 9	86.3	86.1	91.4	92.0	93.0	94.7	95.1	96 . [.	97.7	98.3	98.8	99.1	99.2	99.4
GΕ	3001	76.8	53.9	86.0	96 - 1	91.4	92.2	92.1	94.8	95.2	96.2	98.0	98.5	97.1	9.4	99.6	99.7
ĢE		76.8	93.9	86.0	69.1	91.4	92.2	93.1	94.8	95.2	96.3	99.1	98.6	99.2	99.5	99.7	99.8
υE	1001	76.8	8 5. 9	86.1	88 • 2	91.5	12.3	93.2	94.9	95. 1	96.6	40.3	28.8	99.5	99.7	99.9	100.0
υE	0 (76.8	8 3. 9	86.1	88.2	91.5	92.3	93.2	94.9	95.3	96.6	94.3	98.8	97.5	99.7	99.9	100.0

PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STA	TION NO	UMEER:	727675	STATI	ON NAME:	MINO	T 273 NO					PEPIGD	OF REC	ORU: 78	-87		
												MONTH	HAL:	FOURS	(LST1: .	2100-23	00
	L11.G	• • • • •	• • • • • • •	•••••	• • • • • • • •	• • • • • •				IN STAT			• • • • • • •	• • • • • •	• • • • • •	• • • • • •	•••••
I		GE	GE	Gr	GE	GE	GΞ	GE	GE.	GE	GE	GE	G E	GŁ	GE	GE	GE
	er i	10	υ 6	٠,	٥٠ 4		2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	C
	-																
N C	CEIL 1	51.3	52.9	5 3 . 3	53.5	53.9	5 3. 9	54.5	54.7	54.7	54 • 9	55.3	55.5	55.5	c 5 • 6	55.9	55.6
GE	200001	54.7	56.3	56.9	57.1	57.4	57.4	58.1	58.3	58.3	58.5	58.8	59.0	59.0	50.1	59.5	49.5
	160001		56.1	56.9	57.1	57.4	57.4	58.1	58.3	58.3	58.5	5 P . R	59.0	59.0	59.1	59.5	59.5
	160001		56.3	56.9	57.1	57.4	57.4	50.1	58.3	58.3	58 - 5	59.8	59.0	59.0	59.1	50.5	59.5
	140001		56.7	57.2	57.4	57.7	57.7	58.4	58.6	58.6	58 • 6	59.1	59.4	59.4	69.5	50.5	69.8
	120001		57.6	50.5	56.7	59	59.0	59.7	59.9	59.9	60.1	60.4	60.6	60.6	60.8	61.1	61.1
GΕ	100001	59.5	61.3	61.9	62.2	62.5	62.5	63.1	63.3	63.3	63.5	67.9	64.1	64.1	64.2	64.5	64.5
	90001		61.8	62.5	62.7	63.0	63.0	63.7	63.9	63.9	64.1	64.4	64.6	64.6	64.7	65.1	65.1
GE	80001	62.7	64.5	65.3	65.5	65.9	65,9	66.6	66.8	06.9	67.0	67.3	67.5	67.5	67.6	69.C	5e•0
t, E	70001	64.5	66.3	67.1	67.3	67.7	67.7	68.4	68.6	68.6	68.8	69.1	69.4	69.4	69.5	69.8	69.6
ĞĘ	60001	64.8	66.7	67.4	67.6	68.1	66.2	6 R . 8	69.0	69.0	69.2	69.6	69.8	69.A	57.7	70.2	70.2
6 5	50001	65.7	67.7	68.5	66.8	69.4	65.5	77.1	70.3	70.3	70.5	70.9	71.1	71.1	71.2	71.5	71.5
6 F	45001	£7.5	69.6	70.4	70.9	71.4	71.5	72.2	72.4	12.4	72.6	72.7	73.1	73.1	23.2	73.5	73.5
GΕ	40001	67.7	70.1	71.3	71.4	72.2	72.3	73.0	73.2	73.2	73.4	77.A	74.0	74.0	74.1	74.4	74.4
GE	35.001	68.4	70.8	71.6	72 • ü	73.0	73.3	74.2	74.4	74.4	74.6	74.9	15.2	75.2	75.3	75.6	75.6
GF	30001	69.6	71.9	72.8	73.5	74.7	75.1	76.0	16.2	76.2	76.7	11.3	11.2	77.2	77.3	77.6	77.6
9 €	25 00 1		74.5	75.5	76 • 2	77.5	17.8	78.8	79.0	19.0	79.5	79.0	0.0	67.7	*3.1	H 7.4	F 0 . 4
ĿΕ			75.9	76.9	78.1	79.5	79.9	81.0	81.2	в1.3	91.7	82.1	82.3	82.3	R 2 . 4	62.7	F2.7
GE	19091		76.9	77.8	79 . u	80.4	8C.9	81.9	R2.2	82.2	P2.7	87.0	P 3 • 2	53.2	P 3 . 3	83.7	93.7
GE	15001		90.6	91.8	83.2	84.7	65.2	96.3	86.7	b6.7	97.3	87.6	97.6	A7.8	6.9	5 B . 3	£ . 3
GΕ	12001	79.7	3 3 • 3	84.5	85.9	87.5	80.€	89.4	93.1	90.2	91.1	91.5	91.8	91.8	91.9	92.3	92.3
ú€	10001	79.8	24.5	85.7	87.1	88.9	8 Ç. 4	90.9	91.7	91.8	92.7	93.1	93.4	93.4	23.5	91.9	93.9
6 F	1009	79.9	94.8	86.0	97.4	80.2	89.7	91.2	92.C	92.2	93.C	97.4	93.B	93.8	93.9	94.2	94.2
6 E	8 CD	80.1	95.3	86.5	88.J	89.8	9 C • 2	91.7	92.8	92.9	93.9	94.4	94.7	74.7	04.8	95.2	75.2
€.	7001	83.5	86.0	87.2	88.7	93.5	91.5	92.5	93.5	93.7	94.6	95.4	95,7	95.7	95.8	96.7	56.3
6 F	6001	80.6	86.2	87.4	89.5	90.9	91.3	92.9	94.0	94.1	95.5	96.5	96.8	96.8	76.9	97.4	97.4
GE	s an l	83.6	86.5	87.6	89.2	91.1	91.5	93.1	94.3	94.4	96.2	97.2	97.7	97.7	97.8	90.4	95.4
GF	4 00 4	60.6	96.7	88.1	89.7	91.5	91.9	93.7	94.8	94.9	96.8	97.7	98.3	79.3	98.4	94.9	96.9
SE	3001	87.6	96.8	88.2	89.8	91.6	92. C	93.8	94.9	15.1	97.1	99.3	98.8	98.8	98.9	99.5	99.5
ų €	2001	60.6	86.9	88.3	89.9	91.8	92.3	94.0	95.2	95.3	97.4	99.6	99.1	99.1	99.2	99.8	99.8
GE	1001	67.€	96.9	88.3	89.9	91.8	92.3	94.0	95.2	95.3	97.4	99.6	99.1	99.2	99.4	99.9	100.0
GE	al	80.6	86.9	88.3	89.9	91.8	92.3	94 •C	95.2	95.3	97.4	98.6	99.1	99.2	99.4	99.9	130.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

		-													
STATION NUMBER	. 727675	TATE	ON NAME .	MINO	T AFR NO					PERION	OF REC	OPD: 78	- 9 7		
3 1411011 11011021		3								MONTH			(LST):	ALL	
CEILING	• • • • • • •	• • • • • •		• • • • • •	• • • • • • • •	V 15	Ipility	TN STATE				• • • • • • •			
IN GE	GE	GE	6E	GE	GΕ	GE	GE	GE	GE GE	, UE			GE	61	GΕ
FEET 1C		5	4		2 1/2		1 1/2					GE 1/2		GE	ن
									1	3/4	5/e		5/16	1/4	
	• • • • • • •	• • • • • • •			••••••	• • • • • •	• • • • • • • •		• • • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	• • • • • • •	
NC CEIL 48.8	5 J • 8	51.5	52 • 1	53.3	53.1	53.5	53.9	54.0	c4 • 3	54.5	54.5	54.6	54.7	54.8	54.8
	F 1						_								
GE 20003 51.9		54.7	55 • 3	56.3	56.4	56.7	57.2	57.3	57.6	57.8	57.9	58 • g	58.1	59.1	58.2
GE 180601 51.9		54.8	55 • 4	56.4	56.4	56.8	57.3	57.4	57.7	57.9	58.0	58.1	58.1	59.2	56.3
GE 16000 51.9		54.8	55 • 4	56.4	56.4	56.8	57.3	57.4	57.7	57.9	58.4	58.1	6.1	58.2	58.3
GE 14000 52.1	54.2	54.9	55.5	56.6	56.6	57.3	57.5	57.5	57.9	5 P • 1	58 • 2	59.3	56.3	58.4	58.5
GE 120061 53.0	55.1	55.9	56 • 5	57.5	57.6	58 • 0	58.5	58.6	58.9	59.2	59.2	59.3	59.4	59.4	59.5
GE 10000 56.3		59.4	6ე.ნ	61.1	51.1	61.6	62.0	62.1	62.5	67.7	62.9	52.9	62.9	6 7 • 0	63.1
GE 90001 57.3	59.6	60.4	61.0	62.1	62.2	62.6	63.1	63.2	63.6	63.9	63.9	63.9	64.0	64.1	14.2
6E 80001 59.8	62.3	63.2	63.9	65.1	65.2	65.6	66.1	66.2	66 • 6	65.7	66.9	67.0	67.1	67.2	67.3
GE 70001 61.1	63.7	64.6	65 • 2	66.5	66.6	67.0	67.5	67.6	68.1	68.3	68.4	68.4	66.5	69.6	6 R . 7
GE 6000 61.6	€4.4	65.3	66 • J	67.3	67.4	67.9	68.3	69.4	68.9	69.1	69.2	59.3	69.4	69.5	69.6
•		• -												•	0 0
GE 5000 62.8	65.8	66.6	67.7	69.1	59.3	69 • 8	70.3	73.4	70.9	71.2	71.2	71.3	71.4	71.5	71.6
GE 45001 63.9	67.1	68.2	69.2	12.1	71.0	71.5	72.0	72.2	72.6	77.9	72.9	73.0	73.1	73.2	73.3
GE 40001 64.6		69.2	70.3	72.0	72.2	72.8	73.5	73.6	74.1	74.4	74.4	74.5	74.6	74.7	74.8
GE 35001 65.3	65.9	70.2	71.3	73.2	73.5	74.1	74.8	74.9	75.4	75.7	75.8	75.8	75.9	74.2	76.1
6E 30G01 66.3		71.6	72 . 8	74.8	75.1	75.8	76.6	76.7	77.3	77.6	77.7	77.9	77.9	75.0	78.1
					. 50 2						•				
GE 25001 67.6	71.9	73.6	74.9	77.1	77.4	79.1	78.9	79.1	79.7	87.3	PC • 1	83.2	P D . 3	87.4	96.5
GE 20001 69.0		75.7	77 • 1	79.5	79.8	80.7	81.6	81.8	92.5	82.9	82.9	83.0	P 3 . 1	83.3	e 3 • 5
GE 18GOL 67.4		76.4	77.9	8 C 3	8C.7	81.7	82.6	b 2 . 8	93.5	81.9	83.9	84.3	84.2	64.4	94.5
GE 15001 71.2		78.5	80.1	62.7	83.1	84.1	85.2	85.4	96.2	84.6	86.7	96.8	97.0	à7.2	E 7 • 3
GE 12001 72.7		80.5	82 • 1	85.0	95.4	86.6	87.8	88.1	99.1	89.5	89.7	89.0	90.0	90.2	90.4
dE 1:001 12.1	,0.6	80.3	02 • 1	03.0	~5• ₩	50.0	01.0	0.0 * 1	7 • 1	8·•,	., , , ,	97.	-0.0	*0 • 2	70.4
GE 1000 73.9	80.1	82.2	83.8	87.0	A 7. 4	88.6	90.0	90.3	91.5	92.1	92.3	92.6	72.8	97.0	93.2
GE 9001 74.2		82.9	84 • 5	87.8	86.2	87.4	90.9	91.1	92.4	93.1	93.3	93.7	93.9	94.1	94.4
6E 9001 74.5		83.4	85 - 1	88.4	98.8	90.1	91.6	91.9	93.2	94.0	94.3	94.7	94.9	95.1	95.4
6E 7001 74.7											94.9	95.4	95.6		
GE 6001 75.0		83.8	85 • 6	89.9	89.3	90.5	92.2	92.4	93.8	94.7 95.5	95.8			95.9	96.1 97.0
ac 6001 15.0	41.9	84.1	85.9	89.3	59+8	91.1	92 • 8	93.0	94.6	95.5	45.4	96.2	96.5	96.7	91.0
GE 5001 75.2	92.3	84.5	86.4	89.8	90.3	91.7	93.4	93.7	95.4	95.4	96.7	97.2	97.4	97.7	98.0
GE 4001 75.2		84.8	86.7				94.0			97.0	97.3	97.8	98.0	98.3	98.8
GE 3001 75.2				90.3	90.8	92.2		94.2	96.0		_				
GE 2001 75.2		84.9	86 • 9	50.5	91.0	92.4	94.2	94.5	96.3	97.4	97.7	98.3	96.6	98.9	99.4
		85.C	86.9	90.6	91.1	92.5	94.2	94.6	96.4	97.6	97.9	98.5	98.8	99.2	99.7
GE 1001 75.2	R 2 • 6	85.0	86.9	90.6	91.1	92.5	94.3	94.6	96.5	97.6	99.0	79.6	08.9	99.3	100.0
GE 01 75.2	52.6	85.0	P6.9	90.6	91.1	92.5	94.3	94.6	96.5	97.5	98.5	98.6	98.9	c a 1	100.0
	52.0	0 2 • 3	,	, (j • b	7104	76 67	77.3	,,,,	70 4 3	/ • • •	78 • U	70.0	70 • 7	7743	
		• • • • • • •	•••••	• • • • • •	• • • • • • • •	• • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

	_				ON NAME:							HONTH	OF REC	HOURS	(LST):		
	LING			•••••	• • • • • • •	• • • • • •	•••••			IN STATE			• • • • • •	• • • • • •		• • • • • • •	•••••
I FE	N [ET [GE 6	G E 5	GE 4		6ε 2 1/2	G E 2	65 1 1/2	GΕ	GE 1	G£ 3/4	GE 5/8	GE 1/2	6E */16	GE 174	GE C
	CEIL I		49.8	49,9	5ე.4	50.7	50.7	50.7	50.9	50.9	51.3	51.3	51.3	51.3	F1.3	51.3	°1.3
GE	200001 180001	52.1	52.7 52.8	52.8 53.0	53.3 53.4	53.8 53.9	53.8 53.9	53.8	54.0 54.1	54.0 54.1	54.4 54.5	54.4 54.5	54.4 54.5	54.4 54.5	54.4 54.5	54.4 54.5	54.4 54.5
GE	160001 140001 120001	52.1	5 2 • 8 5 2 • 8 5 3 • 3	53.0 53.0 53.4	53.4 53.4 53.9	53.9 53.9 54.4	53.9 53.9 54.4	53.9 53.9 54.4	54.1 54.1 54.6	54.1 54.1 54.6	54.5 54.5 55.0	54.5 54.5 55.0	54.5 54.5 55.0	54.5 54.5 55.7	54.5 54.5 55.0	54.5 54.5 55.0	54.5 54.5 55.0
G E	100001	54.4	55.3 56.4	55.4 56.5	55.9 57.0	56.4 57.4	56•4 57•4	56.4 57.4	56.6 57.7	56.6 57.7	57.0 58.0	57•0 5#•3	57.0 58.0	57.0 58.0	°7.0	57.D 58.D	57•c 50•0
6 E 6 E	80001 70001 60001	58.7	58.9 59.8 63.3	59.0 59.9 60.4	59.5 60.4 60.9	60.3 61.2 61.7	60.3 61.2 61.7	61.3 61.6	62.1	60.6 61.6 62.1	61.0 61.9 62.4	61.9 61.9	61.0 61.9 62.4	61.5 61.9 62.4	61.0 61.9 62.4	61.9 61.9	61.0 61.5 62.4
űΕ	50001	61.1	62.3	62.8	63.4	64.5	64.5	64.8	65.0	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4
6 E 6 E	40001	62.1 62.3 63.5	63.6 63.8 65.2	64.3 64.5 66.3	64 • 9 65 • 1 66 • 9	66.4 68.2	66.1 66.4 68.2	66.3 66.9 69.7	66.5 67.4 69.1	66.5 67.4 69.1	66.9 67.7 69.5	66.9 67.7 69.5	66.9 67.7 69.5	66.9 67.7 69.5	66.9 67.7 69.6	65.9 67.7 69.6	66.9 67.7 69.7
ÚΕ		64.5	67.5	67.6	69.5	69.6 71.3	69.6	70.1	70.6	70.6	70.9	70+9 72+7	70.9	73.9	71.0	71.0	71.2 72.9
6 E 6 E	2000) 1800)	67.7 69.3	76.2 78.9	72.6	73 • 3 74 • 2	75.2 76.1	75.2 76.1	75 • 7 76 • 6	76.4 77.3	76.4 77.3	76.7 77.7	76.7 77.7	76.7 77.7	76.7 77.7	76 + 8 77 + 8	76.8 77.8	7 7 • C 7 7 • 9
G E		79.7	73.9 77.4	76.6 80.3	77.4 81.1	79.4 61.2	79.4 P3.2	79.9 83.8	83.7 84.6	89.7 84.8	81.2 85.2	81.2 85.2	81.2 85.2	81.2 85.2	P1.3	81.3	81.4 85.5
6 E 6 F 6 F	900	75.2 75.8 76.2	79.1 79.7 23.1	82.3 82.9 83.3	F3.1 B3.6 B4.3	85.3 86.1 86.5	95.3 96.1 96.5	85.9 86.6 87.1	87.2 88.3 88.6	87.6 88.7 89.4	98.1 99.2 90.0	89.4 87.4 90.1	88.2 89.4 70.1	89.5 90.2	₽8•4 99•6 9U•3	89.6 90.3	გყ.5 89.7 9ე.4
GE	7001	76.4 76.6	93.3	83.5 84.5	P4 . 4 85 . 2	86.6	86.6 87.6	87.2 88.3	89.0	89.6	90.2	97.8 97.6	90.8 92.8	90.9	91.0 93.0	91.1 93.1	91.3
S E G E		77.0 77.1	91.3 92.2	84.5 65.3	95.7 86.6	88.3 89.2	R t • 4	89.4 90.4	91.6 92.7	92.4 93.5	93.1	93.7 94.9	94.0 95.2	94.1 95.3	94.2 95.4	94.3 95.6	94.4 95.7
lsE lsf lsf	200	77.1 77.1 77.1	82.2 82.2 82.2	85.5 85.5 85.5	86.8 86.8 86.8	89.4 69.4 89.5	*9.6 89.6 89.7	97.9 91.0 91.1	93.4 93.6 93.7	94.3 94.6 94.7	95.7 96.6 96.8	96.6 97.4 97.9	96 • 8 97 • 6 98 • 1	97.2 98.3 98.5	97.3 98.2 98.7	97.5 99.6 99.2	97.6 96.8 99.5
GΕ	51	77.1	92.2	85.5	86.8	89.5	89.7	91.1	93.7	94.7	96.8	97.9	98.1	98.5	98.7	99.2	150.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VFRSUS VISIPILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

2 11	AT 1	ONN	IUMPER:	727675	STATI	CN NAME:	4 I NO	T AFB ND					PERIOD	OF PEC	OFD: 78	-87		
													MONTH			(ĽSTI:	0300-05	00
			• • • • • •	• • • • • • •	•••••	• • • • • • • •		••••••						• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • •
CE.								GE			IN STAT					6.5		
	IN		GE	G€ ,	GE S	G E	GE,	2 1/2	GE	GE	GE	GE,	r, E	GF	GE	GE	SE	3.0
	EET		7.0	6		4				1 1/2		1	3/4	5/8	1/2	5/16	1/4	ũ
• • •	•••	• • • •	• • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • •	•••••	• • • • • •	******		• • • • • •	• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • •	
N C	CE	11.	46.3	47.8	48.2	48.5	49.1	49.1	49.2	49.4	49.4	49.5	49.9	49.9	49.9	49.9	49.9	50.0
			50.1	51.7	52.2	52.6	53.2	53•2	53.3	53.5	53.5	53.7	54.3	54.0	54.0	64.3	54.C	54.1
			50.1	. 51.7	52.2	52.5	53.2	53.2	53.3	53.5	53.5	53.7	54.7	54.0	54.0	54.3	54.0	54.1
GΕ	16	2001	50.1	51.7	52.2	52 • 6	53.2	53.2	53.3	53.5	53.5	53.7	54.0	54.0	54.7	54.0	54.0	54.1
GΕ	14	000	50.5	52.0	52.6	53.3	53.5	53.5	53.7	53.9	53.9	54.0	54.4	54.4	54.4	54.4	54.4	54.5
G E	12	0001	50.8	52.4	53.0	53.3	53.9	54.U	54.1	54.5	\$4.5	54.6	55.0	55.0	55.0	55.0	55.0	55.1
		00001	54.0	56.0	56.6	57.0	57.6	57.7	57.8	58.2	58.2	58.3	5 ª . 6	58.6	58.6	58.6	5ª.6	58.7
			55.2	57.2	57.8	58.2	59.7	58.9	59.0			59.5	59.8	59.8	59.8	59.8	59.8	59.9
										59.3	59.7							
			57.2	59.2	59.8	60.3	60.9	61.0	61.1	61.5	61.5	61.6	61.9	61.9	61.9	61.9	61.9	62.1
			58.0	60.2	60.8	61.3	62.1	62.2	62.3	62.6	62.6	62.6	63.1	63.1	63.1	43.1	63.1	63.2
GΕ	6	0001	58.7	6 ე. 9	61.5	62 • 1	62.8	62.9	63.J	63.4	63.4	63.5	64.9	63.8	63.8	63.6	63.8	63.9
G E	5	nael	60.4	62.6	63.2	63.0	64.5	64.7	64 • B	65.1	65.1	65.2	65.6	65.6	65.6	65.6	65.6	45.7
6 E	4	5001	61.9	64.4	65.1	65.7	66.4	66.5	66.7	67.0	67.0	67.1	67.5	67.5	67.5	67.5	67.5	£7.0
ĞΕ			62.1	64.9	65.6	66.5	67.5	67.7	67.8	68.3	68.3	68.6	64.9	68.9	68.7	68.9	68.9	69.0
úĒ			63.5	66.5	67.3	68.2	69.1	69.4	69.6	70 - 1	70.1	70.3	70.7	79.7	70.7	73.7	73.7	7 C • 9
GE			64.1	67.1	68.0	68.9	69.9	76.2	73.6	71.0	71.0	71.3	71.6	71.6	71.6	71.6	71.6	71.9
											_							
6 F			66.0	69.5	70.6	71.5	72.5	72.6	73.2	73.6	73.6	73.9	74.2	74.2	14.2	74.2	74.2	74.5
CE			67.8	72.1	73.5	74.7	75.7	76.C	76.5	77.3	17.7	77.2	77.5	77.5	77.5	77.5	77.5	77.8
Ģ €	1	8 C D I	68.9	73.2	74.9	76 - 1	77.1	77.4	77.9	79.4	76.4	78.6	79.0	79.3	79.0	79.C	7°.C	79.2
GE	1	5001	71.2	75.7	77.5	78.7	80.1	8D.5	K1 . C	31.4	01.4	P1.7	82.0	82.6	82.3	F2.0	62.0	H2.3
ίf	1	5001	72.7	77.4	90.0	81.5	83.C	R 3. 3	87.9	84.5	84.6	84.9	8 . 2	P5.2	85.2	95.2	65.2	F 5 • 5
GE	1	וממכ	74.7	79.8	82.6	93.9	85.7	86.1	87.0	67.7	57.P	Pe. 2	8 P . 5	AA.5	49.5	F8.5	8 P . 5	88.8
GE			75.2	90.3	83.1	84.4	86.2	86.5	61.5	A H . 2	68.4	98.9	89.2	89.2	39.2	P9.2	89.2	04.5
GE			75.4	93.5	83.5	84.6	66.4	36.8	87.9	P8.7	88.9	99.4	87.7	89.7	99.7	99.7	89.7	90.0
G E			75.7	30.7	83.0	84.9	66.8	27.1	88.3	89.0	89.4	99.8	90.4	90.4	70.4	20.5	90.7	95.4
GF			75.8	P1.0	83.8	85.1	87.5	97.5	88.8	89.5	89.8	93.4	91.7	91.0	91.1	91.3	91.4	91.6
U I		600	13.0	- 140	0 7 • 0	23.1	01.0	- 1. 3	00 •	04.0	67.7	47.4	41.	91.3	71.1	41.0	71.4	71.0
G E			76.5	B 1.7	64.L	85.9	87.9	£8.4	90.1	90.9	91.3	92.0	92.7	92.7	92.9	92.9	93.0	63.3
ĠΕ		4001	77.0	32.4	85.3	87.1	89.6	96.9	92.8	93.7	94.2	64.9	95.6	95.6	95.7	95.9	96.0	96.3
GE		300	77.1	32.5	85.6	87.4	93.0	91.3	93.4	94.3	94.9	96.1	96.A	96.8	97.3	97.2	97.3	97.9
GE		200	77.1	82.5	85.6	87.4	90.0	91.3	93.5	94.4	95.7	96 • €	97.9	98.3	98 • 2	98.5	98.6	99.3
GΕ		100	77.1	92.5	85.6	87.4	90.0	91.3	93.5	94.4	95.0	96.8	97.9	99.0	98.5	98.8	96.9	100.0
GE		21	77.1	82.5	85.6	87.4	90.0	91.3	93.5	94.4	95.0	96.8	9,7.9	98.0	98.5	98.8	. a o	100.0
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PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOUSLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PEPIOD OF RECORD: 78-87
MONTH: FEF HOURSILS FOURS(LST): 1600-0800 ING VISIBILITY IN STATUTE MILES CEILING IN | GE FEET | 10 GE GE 3 2 1/2 GE GE GE 2 1 1/2 1 1/4 5 F G F GE 4 5/16 6 1 7/4 5/6 1/2 1/4 Ċ NO CEIL | 45.0 48.1 51.3 50.9 5c. 9 GE 200001 49.0 49.6 49.6 50.1 51.2 51.3 51.4 51.5 51.7 51.7 51.7 51.8 GE 180001 48.0 GE 160001 48.0 49.6 50.1 50.1 50.4 51.4 49.6 57.9 50.9 51.2 51.3 51.3 51.3 51.5 51.7 r1.7 51.7 51.7 51.8 51.8 57.9 51.7 50. ç 51. 2 51.2 51.3 51.3 51.3 51.5 51.7 40001 48.2 49.9 51.5 52.0 51.7 GE 120001 48.2 49.9 49.9 50.4 51.2 51.2 51.4 51.5 51.5 51.8 51.9 51.9 51.9 55.1 £4.4 54.7 54.7 54.4 55.0 55.1 55.1 57.1 55.2 6E 10000| 51.2 53.0 5 3 . 1 53.5 54.4 54.6 54.7 57.2 58.7 56.9 57.1 56.4 56.7 56.7 56.7 57.0 57.1 GE 90001 53.0 54.7 55.0 55 • 4 56 • 9 56 . 4 56.6 8000| 54.1 7000| 55.4 57.9 59.8 58.4 67.3 58.5 56.1 56.4 57.9 59.2 58 . 3 58.3 58.3 59.6 58.6 54.6 61.7 57.9 59.8 60.2 69.5 61.7 61.7 61.8 GE 57.6 58 . 6 60.0 60.2 69.2 60001 56.3 61.3 61.5 61.6 59 . 8 50001 57.8 63.6 60.3 60.8 63.2 63.2 63.5 63.6 6 4 . 7 63.6 63.9 63.9 63.9 64.1 65.2 66.7 67.1 45 GO1 59.0 40 GO1 59.1 62.4 63.5 64.8 65.4 65.0 65.7 65.1 65.8 65.1 65.8 65.5 G.F 61.6 64.5 65.1 65.4 65.5 65.5 65.6 66.1 66.2 05.4 67.4 66.2 61.8 GF 35001 59.9 63.5 65 . 2 66.5 66.5 66.9 67.0 67.3 67.0 67.4 £7.5 G E 30001 60.6 64.8 66 . 8 69.3 68. 4 68.8 68.9 70.7 70.5 71.0 71.2 71.3 71.3 71.3 6 F 25001 61.5 55.2 73.1 70.2 70.6 10.7 66.1 68.3 2000| 63.8 1800| 65.0 1500| 66.9 74.2 74.6 74.7 76.8 74.8 77.0 74.9 17.2 74.9 77.2 74.9 77.2 75.1 77.3 68.2 69.9 69.1 71.5 73.3 13.5 73.9 71.0 73.5 15.4 78.3 76 • D 79 • 2 G F 73.5 75.7 76.4 76.4 76.7 72.3 76.1 76.5 76.3 12001 69.9 81.6 E1.3 82.5 82.5 83.0 83.2 R 3 . 5 03.5 P 3 . 7 77.5 86.3 87.9 88.8 89.8 66.5 P6.6 (, F 10001 70.3 76.2 8C.4 82.5 83.1 84 .C 84.8 84.8 45.5 95.9 86.1 P6.4 84.6 F5.3 P6.2 77.8 79.4 79.0 41.9 87.C 87.5 97.9 8 A . 1 P8.4 GE 9001 71.3 79.1 84.2 85.6 A6.3 8¢.3 87.6 GF PUDI 71.5 79.8 87.5 82.6 86 • 3 87.1 87.1 89.4 89.5 98.5 ян.9 89.0 90.4 89.1 96.5 7001 72.5 90.0 49.C R9.6 87.2 88.2 GΕ 85.6 88.2 88.2 91.6 6001 72.1 90.1 91.5 90.7 93.9 +1.5 (F 1001 72.5 79.6 B 1 . 4 84.4 87.5 #8.Z 89.7 92.9 90.9 91.7 97.2 92.3 92.6 92.7 63.1 93.3 97.4 98.0 92.£ 82.7 62.7 85.7 85.9 85.9 4001 73.5 80.6 90.7 +3.3 +5.1 74.6 96.7 95.2 97.5 96.0 98.5 96.2 G F 69.1 9C. E 91.8 93.1 95.4 25.5 3001 73.6 2001 73.6 89.8 93.1 94.8 97.8 98.7 94.7 9C.7 99.3 G F 93.7 89.0 95.4 97.2 98.1 98.6 99.9 99.5 1001 73.6 98.1 99.1 P 0 . 7 82.7 89.8 94.9 85.9 90.1 93.3 75.4 97.2 98.9 GE 31 73.6 9 G. 7 82.7 74.9 95.4 97.2 98.7 99.9 99.1 99.6 100.0 85.9 87.8 96.7 93.3 94.1

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIPILITY FROM HOUPLY OUSERVATIONS

PERIOD OF RECUPD: 78-87

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

MONTH: FEF HOURS(LST): 0900-11CC VISIBILITY IN STATUTE MILES CEILING GE . GE GE 3 2 1/2 32 1 GE GE GE GE GE 2 1 1/2 1 1/4 1 G_E 1/2 GE GE 5 4 IN I 6E 6/15 10 3/4 t 578 1/4 46.0 NO CEIL | 42.8 43.7 45.3 45.0 46.3 46.8 46.9 46.3 6 20000 | 47.0 6 18000 | 47.6 50.9 51.5 52.1 52.1 52.5 49.3 50.9 \$1 • 7 \$2 • 2 \$2 • 2 \$2 • 6 52.0 48.2 50.2 51.4 51.5 51.9 52.5 52.6 51.9 51.9 52.5 52.5 52.8 52.5 52.5 52.8 UE 180001 47.6 GE 160001 47.6 51.5 52.5 52.5 52.8 52.6 52.6 53.0 53.2 53.2 53.5 48.8 50.4 50.8 51.5 52 .C 52.1 53.1 53.1 51.5 51.9 53.5 48.8 50.4 53.6 50.8 51.5 52 . D 52.1 GE 140001 47.9 53.4 52.4 52.5 GE 120001 49.4 54.6 50.6 52.2 52.7 53.5 54.0 54.5 54.5 54.5 55.1 55.2 6E 100001 50.9 GE 90001 52.5 54.0 £4.6 55.7 55. 7 56.3 56.4 56.4 56.5 56.7 56.7 59.3 57.4 59.0 62.3 53.7 56.5 57.0 55.6 56 • 1 59 • 3 57.2 63.4 57.2 57.8 57.9 57.9 58.0 58.3 55.4 55.3 59.9 8rdol 55.2 70001 55.7 62.2 58.6 61.0 61.3 61.6 61.0 61.1 59.1 61.3 59.9 61.7 61.9 61.9 62.2 62.4 62.4 62.4 62.5 63.1 60001 57.0 58.6 63. E 65.1 64.7 ĿΕ 50001 57.8 59.6 62.2 63.2 05.5 65.1 65.5 66.0 66.0 66.1 66.5 45001 58.0 40001 58.4 59.8 60.3 62.5 63.0 63.8 64.3 65.5 66.1 67.1 66.3 65.5 66.5 67.1 68.2 67.3 65. D 65.7 66.5 66.7 67.7 66.4 67.6 ĿΕ 65.6 3 001 58.6 61.C 63.8 66.5 67.5 68.2 68.4 69.7 79.3 68.7 69.7 69.3 64.4 10.7 30001 58.9 69.5 73.6 6 E 66.3 67.8 68.7 69.5 69.7 70.0 73.3 73.1 25001 59.1 71.5 72.1 62.3 65.5 69.7 69.6 77.4 70.4 71.2 71.4 72.0 () F 66.9 66.8 71.4 71.4 74.3 75.9 74.5 76.3 P3.1 2000| 60.3 63.8 67.1 68.7 79.8 72.0 , 3. 5 13.2 74.1 74.3 74.9 75.1 GΕ 71. C 1900| 61.1 1500| 62.3 68.2 70.3 76.5 60.6 64.9 69.7 71.9 1..1 73.3 74.7 74.7 75.4 75.9 76•6 80•7 79.4 79.8 18.0 PO.C 30.0 72.1 74.5 78.1 74.8 76.5 77.9 56.4 76.4 12001 64.8 69.1 85.5 85.6 8n.5 92.2 *A.B 75.1 89.7 98.4 99.4 89.5 90.0 99.0 l, F 1000| 66.1 17.5 67.1 ₽ú•6 83.0 45.7 65. F 97.7 F8.5 89.1 9001 66.4 70.5 99.5 90.2 G€ 71.2 77.8 87.7 A1.2 83.9 86.1 36.6 88.8 24.6 97.1 75.9 84.2 89.7 93.0 93.2 ≎0.6 78.1 81.1 01.J 86.4 6 € 81.6 7.01 66.4 6001 66.8 76.7 78.3 79.1 84.4 71.4 61.2 62.2 37.4 A9.6 90.1 90.3 97.4 30.7 91.1 91.3 66. 90.4 91.5 91.7 91.8 92.1 92.6 I, E 80. 5 E 97.9 94.0 9001 66.9 72.3 77.1 82.9 93.6 86.5 89.0 89.7 92.2 93.3 93.1 ¢3.4 91.9 77.5 95.5 96.1 98.6 GΕ 4501 66.9 72.6 aD.3 83.8 64.5 87.7 90.4 91.3 94.[94.6 94.5 95.2 96.0 3001 66.9 72.6 +5.2 45.2 88.4 68.5 92.7 94.1 96.8 97.3 99.2 ti F 80.4 84.2 91.4 95.5 2001 66.9 00.0 92.9 99.8 1031 66.9 72.6 17.5 80.4 64.2 45.2 88.5 91.5 92.9 95.7 96.9 97.4 98.1 98.6 99.2 68 71 66.9 72.6 77.5 93.4 84.2 45.2 80.5 91.5 92.9 95.7 26.9 97.4 98.1 96.6 99.2 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AF3 NO

PEPIOU OF PECORD: 78-87 MONTH: FER HOURSELSTI: 1207-1400 CEILING VISIBILITY IN STATUTE MILES GE D GE UE GE GE GE 2 1 1/2 1 1/4 GE G E GE 1 3 2 1/2 c/16 3/4 5/6 1/2 1/4 10 43.3 46.1 46.2 47.3 47.3 NO CEIL | 41.1 46.6 46 - 7 49.8 9.02 r 1 . 4 51.4 48.5 49.9 50.1 50.2 50.4 50.9 51.4 48.7 51.4 GE 200001 44.F 46.9 52.7 52.7 53.1 42.0 52.0 53.1 52.0 52.0 57.1 49.1 49.3 50.4 50.5 50.7 59.8 50.9 51.5 51.5 51.5 42.0 6E 187001 45.2 47.5 GE 160001 45.2 49.1 49.3 51.4 51.5 52.6 51.5 52.6 47.5 50.4 50.7 50.8 50.9 51.5 51.9 51.7 52.6 GF 140001 46.8 48.3 51.3 57.0 GE 120001 48.0 55.2 57.7 57.7 54.3 56.7 57.0 57.1 57.7 GF 100001 50.0 18.7 44.7 54.6 59.2 50.1 59.7 50.7 Gξ 90001 50.4 53.1 55 + 2 56.7 * 7. D 57.3 57.6 57.7 58.3 58.5 62•1 64•1 63.4 63.4 63.4 63.8 63.8 GE 80001 53.7 56.9 59.4 61.8 62.4 62.6 62.9 70001 55.1 58.4 60.9 61.7 63.7 64 .4 65.1 65.7 45.7 66.2 60.2 65.2 GE 60301 56.0 59.5 63.1 65.6 66.0 66.5 57.7 50001 56.6 64.2 66.6 67.1 67.7 67.8 68.4 68.4 69.9 GE 53.3 63.2 66.4 4500| 57.1 4000| 57.6 63.8 64.8 67.0 67.4 67.7 68.3 69.4 69.6 70.0 69.0 70.0 69.0 70.0 69.5 70.4 69.5 70.4 69.5 70.4 69.5 G F 64.4 65.6 68.0 70.3 71.0 71.0 71.3 71.5 71.5 71.5 71.5 35001 58.0 61.7 73.6 GE 30001 56.6 66.1 67.5 70.2 70.6 71.3 72.1 73.2 73.2 73.6 GΕ 25001 59.6 20001 60.3 64.1 67.5 69.1 71.9 74.2 72.2 73.0 75.4 73.9 74.1 75.4 70.5 75.5 76.3 76.0 76.3 7P.8 6°-0 78.4 79.6 93.9 69.0 71.3 74.6 79.3 79.5 79.3 G E 76.5 76.8 78 . 8 18001 60.9 15001 62.5 69.7 75.4 74.4 16.4 80.4 80.0 84.4 89.5 84.9 °3.5 30.5 64.9 66.0 72.1 75.1 77.7 78.0 A6.5 64.4 72.7 79.1 92.0 82.4 65 69.3 75 . 5 12301 63.9 70.2 61.6 83.C 96.8 87.2 P7.2 87.7 87.7 87.7 F7.7 83.9 85.1 85.8 91.7 97.2 GE 10001 65.4 71.7 76.4 79.3 99.7 90.2 90.9 91.0 91.0 92.7 92.7 92.7 72.2 12.7 PC.3 86.2 86.9 91.8 91.8 92.6 G.F 9001 65.7 77.2 84.5 88.1 89.0 91.1 8001 66.1 85.1 89.7 92.6 93.3 93.4 ç **१.**4 Ç3.4 77.7 63.7 91.8 GE 88.8 91.9 7001 66.4 73.3 78.3 81.3 65.9 ht. 8 87.8 89.7 90.7 92.5 93.9 94.7 04.8 94.B 94.5 94.9 95.9 73.6 67.7 8.86 91.7 94.0 GE £031 66.4 82.2 86.3 90.6 73.9 79.6 97.0 5001 66.4 82.7 87.6 86.5 94.2 49.6 95.0 96.2 ЬE â9.7 91.8 92.8 96.2 73.9 73.9 83.2 88.2 9n.8 97.F 98.7 98.8 99.6 4001 66.4 79.8 93.1 96.3 97.A 98.8 98.8 94.1 79.9 94.4 99.6 99.6 G.F 3001 66.4 99.2 93.5 96.7 99.6 99.6 201 66.4 93.5 96.7 99.4 1001 66.4 73.9 79.9 93.3 88.5 85.6 91.1 93.5 94.4 96.7 98.2 98.2 99.4 9.6 49.6 94.6 6 E rf 66.4 75.9 79.9 83.5 68.5 45.6 91.1 93.5 94.4 96.7 98.2 98.2 99.4 99.6 49.6 100.6

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AF3 NO

PEPIOD OF FECORD: 78-87 MONTH: FER HOURS (LST): 1507-1700 CEILING VISIBILITY IN STATUTE MILES GE 1 GE GE GΕ GE GE GE GE 2 1 1/2 1 1/4 IN | GE FEET | 17 3 2 1/2 1/4 5 1/4 6 4 5/8 1/2 5/16 44.6 NO CEIL | 40.3 42.7 45.9 46.7 47.0 47.8 47.9 47.9 46.8 47.9 47. 4 47.0 52.9 GE 200001 44.1 c2.4 52.5 46.9 50.9 51.1 51.4 52.0 52.5 52.5 52.5 52.5 52.5 53.1 48.8 FD . 1 52.6 52.7 GE 180001 44. 47.5 49.4 50.7 51.5 51.7 51.8 52.0 52.1 52.6 53.0 5 7 • 1 53.1 53.1 53.1 6E 160001 44.8 6E 140001 47.8 49.5 50.8 51.4 52.7 53.3 53.1 53.7 53.2 57.8 47.6 51.7 53.2 53.2 53.2 53.2 93.2 50.1 53.3 48.2 52.2 52.4 52.7 53.8 53.8 53.8 53.0 53.8 GE 120001 46.7 52.7 53.7 55.0 5 5 . 1 55.1 55.1 12.0 57.9 57.9 c 7 . 9 CF icheal 48.9 53.9 55.3 56.3 56.4 56.7 57.3 57.3 57.8 57.9 57.7 F 7. 9 90001 49.3 57.7 63.9 50.3 C8.3 6 F 52.4 54.3 55.7 56 . 6 57.1 57.7 58.2 58.3 58.3 58.3 58.3 59.8 80001 51.7 54.7 57.1 58.7 59.9 60.3 63.9 61.5 61.6 61.6 61.6 61.6 63.7 61.6 61.6 60.5 61.7 61.8 62.3 62.9 63.1 63.6 64.9 61.6 62.9 63.0 63.5 ũΕ 50001 55.1 59.2 61.8 63.6 65.2 65.4 67.3 67.5 67.5 67.5 67.5 67.5 €7.5 65.8 66.7 66.5 45001 55.0 € 3.3 62.9 64.7 66.9 67.7 67.8 68.4 68.7 73.5 68.7 £8.7 66.3 66.4 68.7 68.7 68.7 6 E 40001 55.7 35001 57.2 61.1 63.7 65.6 67.6 67.7 69.3 68 • 2 69 • 7 69.0 69.1 69.7 70.0 71.5 70.0 71.5 72.3 12.0 70.0 35 00 | 66.7 70.7 C 30nol 58.2 62.8 66.2 68.4 71.5 72.5 73.4 75.1 G E 25001 59.2 63.9 67.8 72.2 73.8 74.1 74.8 75.8 76.2 77.5 77.5 77.5 77.5 77.5 77.5 77.5 70.6 77.3 79.3 80.6 91.2 ن F 20001 60.6 66.4 73.0 77.C 78.3 79.8 81.2 81.2 62.2 81.2 82.2 81.2 81.2 82.2 65.0 89.3 71.3 6 F 19001 61.1 67.1 73.6 77.7 78.0 79.0 80.0 F1.6 P Z + Z ₽ E 80.4 83.3 81.4 84.5 95.C 65.0 15001 62.6 68.8 79.9 82.6 83.1 64.4 85.3 95.0 12001 64.4 86.4 91.7 97.4 95.2 G F 10001 66.2 73.5 78.0 81.2 85.7 86.3 87.6 89.0 89.7 91.0 91.7 91.7 91.7 91.7 91.7 G E 9001 66.4 8001 66.9 74.3 75.3 78.8 79.9 92.2 83.2 66 • 8 88 • 4 97.7 99.4 89.0 90.7 91.4 93.1 92.7 93.4 93.4 95.2 90.4 93.4 93.4 ç 3 . u 95.2 92.1 95.2 6.6 7001 67.1 75.8 83.5 83.8 87.1 96.1 92.8 95.2 95.9 95.9 95.9 97.2 55.9 96.5 90.4 81.4 94.9 76.6 97.9 97.9 6 F 5001 67.5 16.8 81.7 A5.2 91.0 45.7 97.2 97.9 97.9 98.3 92.6 93.3 94.1 99.7 98.8 99.2 4001 67.5 95.5 98.C 98.7 93.7 94.7 98.7 99.1 76.6 81.7 H5 • 3 91.5 92.4 94.1 76.6 303| 67.5 200| 67.5 92.6 96.7 98.1 98.5 98.8 99.2 98.R 99.2 49.2 G F 77.0 81.8 #5.5 91.6 94.2 95.6 98.5 99.8 81.8 85.5 91.7 94.6 96.0 39.2 G E 1501 67.5 77.9 91.7 92.9 94.6 96.0 97.0 98.5 99.7 99.3 99.2 99.2 99.5 170.0 L F 01 67.5 77.0 81.9 95.5 91.7 72.9 94.6 96.0 97.0 98.5 99.2 69... 99.2 99.2 99.5 100.0

PERCENTAGE FREQUENCY OF OCCUMPENCE OF CFILING VERSUS VICIBILITY FROM HOURLY COSEPVATIONS

STATION NUMBER: 727675 STATION NAME:	MINOT AF3 ND	PERIOD OF HECORD	: 78-87
		MCNTH: FER H	OUPSILST): 1800-2006

															16 3777		
		• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •							• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • •
	LING									IN STATE				_			_
		GE	GΕ	GE	65	6€	GE .	G E	GE	GE	G€.	r.E	GE	GE	űf	GE	ьf
	ET	10	6	5	4		2 1/2		1 1/2		1	2/4	5/8	1/2	.116	1/4	С
• • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •			• • • • • • •	• • • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••
			45.9	4.4.5		47.8		48.1	49.1	48.1	49.2	44.2					
NO	CEIL 1	43.5	45.9	46.3	46.9	47.5	46.1	48.1	43.1	45.1	49.2	4- • 2	48.2	48.2	48.4	48.2	46.7
	100001			51.9	52.0	52.5	53.2	53.2	53.3			53.5	53.5	53.5	53.5	53.5	, , ,
	180001		53.9 51.4	52.4	52.5	53.3	53.7	53.7	53.8	53.3 53.9	53.4 53.9	54.0			54.0	54 • C	53.5 54.3
				52.5	52 • 6	53.4	53.8	53.8	53.9	53.9	54.0	54.1	54.5	54 - 0 54 - 1	54.1		
	160001		51.5										54 • 1		54.5	54.1	54.1
	147001		52.0	5 3 . C	< 3 . 1	53.0	54.3	54.3	54.4	54.4	54.5	54.6	54.5	54.6		54.6	54.6
G E	120001	50.7	5 3 • 5	54.5	54 • 6	55.6	55.9	55.9	56.0	56.3	56 • 1	56.3	56.3	56.3	56.3	56.3	56.3
	100001		55.3				57.1	57.7	57.5	57.8	67.9	50.0		58.0	58.0	54.0	F ()
				56+3	56 . 4	57.3					-		56.3				5 9 • ()
G.F.	97001		56.3	57.2	57.3	59.4	50.7	59.7	58.9	50.9	59.0	59.1	59.1	59.1	59.1	50.1	59.1
6.5	8,001		58.4	59.3	59.6	63.9	61.2	61.2	61.3	61.3	51.6	61.7	61.7	61.7	61.7	61.7	61.7
ĢE	70001		60.4	61.3	61.7	63.1	63.5	67.5	63.6	63.5	63.6	63.0	63.9	63.9	63.9	63.9	63.9
ίF	6C JC	5/.1	61.C	61.9	62.3	63.7	t. 4 . 1	64.1	64.2	64.2	64.4	64.0	64.5	64.5	64.5	64.5	64.5
GE	50001	: 0 11	62.6	63.ĕ	64.2	65.7	56.1	66.3	66.4	06.B	67.2	67.1	67.1	67.1	67.1	67.1	67.1
G E	45.00		63.9	65.1	55.5	67.0	67.4	67.6	67.7	68.1	66.3	69.4	68.4	68.4	68.4	64.4	68.4
GE				65.6						69.3	69.5	67.6	69.6	69.6	69.b	69.6	69.6
	40001		64.4	-	66.2	6 A . C	(8.3	69.5	68.9								
GE	35 00 1		65.7	67.3	67.6	69.4	64.1	77.4	70.6	70.9	71.2	71.	71.3	71.3	71.3	71.3	71.3
€ €	30001	61.4	67.1	60.6	69.3	71.2	71.5	12.2	72.5	72.8	73.€	7 7 . 4	73.4	73.4	73.4	73.4	73.4
GΕ	25661		68.6	70.3	71.0	13.2	13.5	74.2	74.5	74.6	75 - 1	75.4	75.4	75.4	75.4	75.4	75.4
6.5	20001		77.9	72.0	75.5	75.8	76.1	77.0	77.4	77.8	79 - 1	78.5	78.5	18.5	78.5	79.5	78.5
ű E	1001		72.0	7 1 8	74.5		77.6		79.2	79.f	79.9	80.3	A D . 3	87.3	93.3	HC.3	86.3
						17.4		79.7					R4.4	84.4	94.4	F4.4	5 U • S
6.5	15001		74.2	16.7	76 . L	87.5	4 3	0.7.5	A 3 . 1	83.5	84.C	84.4			96.1	50.1	AB.1
€ E	12001	64.4	10.5	79.4	41.3	n 4 • 5	₹5 . (96.2	86 · 8	87.1	87.7	8º.1	88.1	88.1	-5-1	7" • 1	ne.1
٥٤	10001	70.7	79.6	31.9	53.5	86.8	67.	69.7	69.2	89.6	20.3	47.B	90.8	93.R	90.8	45.8	90.6
6 E		72.r	F C • 3	6	55.5	69.8	9	99.7	91.5	42.0	92.8	97.7	93.3	93.3	53.3	4.7	23.4
G E		72.6	61.0	84.5	P6 • 2	69.5	46.1	91.5	92.4	93.7	94.1	94.6	94.6	94.6	74.6	94.6	74.7
GE		12.7	71.2							93.6	74.7	95	95.7	95.2	95.2	45.2	95.3
6 E		72.9	81.d	84.9 85.5	36.5	89.4	96.4	97.0	93.5							46.P	
G E	0031	12.9	71.5	0 3 • 5	87.4	47.7	91.4	92.9	74.2	94.9	34 € €	94.9	96.∃	95.1	96.B	4,,,	96.9
6.5	sant	7, 0	42.3	86.1	55.1	91.4	72.1	93.7	95.0	96.7	97.3	91,9	97.9	77.7	47.9	97.9	40.3
6€		73.0	92.3	96.1	PB . 3	91.6	94.6	94.7	96.0	95.2	99.2	y n n	96.5	98.8	98.8	SA A	99.2
GE		73.2	42.4	86.2	88.4	91.7	92.7	94.9	96.2	97.2	98.5	57.1	99.1	99.1	99.1	49.1	99.4
6.6		73.2	32.4	85.2	88.4	92.5	99	95.2	76.5	97.4	98.7	97.3	99.3	99.3	99.3	99.3	64.6
úΕ		73.2						95.2									170.0
U t.	1001	1	92.4	86.2	He . 4	92.0	37.6	A.2 *5	96.5	97.4	96.8	99.4	07.4	99.4	99.5	49.5	1 0.0
6.5	2.1	73.2	82.4	86.2	88.4	92.0	92.9	96.2	26.5	91.4	98.8	99.4	99.4	99.4	99.5	40 1	100.0
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CFICING VERSUS VISIALLITY FROM FOURLY GOSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS NU

PERIOD OF RECUPUS 75-67 MONTH: FEG. HOURS (LST): 2100-2300 TLING VISIBILITY IN STATLIF MILES CEILING 6 ₆ I GE GΕ L.F 6**6** GE CE 2 1/2 GE GF GE 2 1 1/4 Gf FEET | 1/2 1/16 1/4 NC CEIL 1 46.3 48.5 48.5 40.0 49.0 44.6 49.6 49.9 49.9 44.9 49.9 44. 55.0 55.0 55.0 55.2 55.2 . r · t 5°.0 5°.0 65.0 (5.3 (5.3 (5.2 54.7 CE 200001 50.7 5 1.4 53.4 c3.6 54.6 54.6 45.0 55.7 55.0 . . . 15.5 53.4 54.6 54.7 55.0 GF 180001 50.7 53.4 53.6 54.6 55.0 55.7 GE 160001 50.7 GE 140001 50.9 GE 120001 51.7 54.7 55.0 55.7 55.6 55.2 53.4 53.4 54.6 54.6 55.0 53.0 55.0 54.3 55.7 5 3 . 7 53.7 54.8 54. H 55.2 ئ ۽ 5 ڏُ ---55.6 55.9 54.4 15.4 45.4 GE 100001 53.5 57.6 47.6 . 7.4 56.6 57.4 57.6 59.8 59.9 SE 90001 55.7 58.5 5 A .5 58.9 67.0 60.3 60.3 F.C . 3 61.4 68.₹ 63.3 13.3 10.1 F . . 3 80001 57.7 61.2 63.0 67.2 65.2 65.2 65.7 +3.2 +5.0 62.5 63.0 63.7 63.2 65.0 e 1.2 61.0 61.8 63.2 63.2 11.3 10001 59.7 G.E 63.5 63.7 64.3 65.2 65.4 65.5 65.7 65.7 45.7 t 4. . 7 υE 50001 61.0 64.7 64.9 65.5 66.9 67.7 67.7 67.7 67.7 4.7.7 17.7 . 1. 7 66.8 67.3 67.7 07.7 69.5 70.0 10.5 11.4 11.5 GF 4001 62.3 66.3 66.7 69.6 65.7 69.3 69.5 69.5 69.5 49.5 69.1 67.3 69.5 64.0 70.0 71.4 77.0 69.5 40001 62.5 66.7 67.3 67.7 69.0 E9. 1 70.0 70.0 76.0 10.0 *0.6 10.0 7C.6 6A.4 79.6 73.4 71.4 35501 67.2 67.8 69.1 71.4 71.4 71.4 r. F 30001 64.7 2°001 65.6 15. 75.7 G.F 71.2 72.1 72.6 74.2 74.3 74,9 75.4 15.7 75.7 75 . 7 75.7 75.7 75.7 *7.7 20001 67.0 77.9 77.7 78.7 17.7 u E 73.0 74.7 74.7 76.2 77.2 76.4 77.3 71.4 77.7 73.6 7 - . 7 7 - . 1 77.7 78.7 77.7 77. 19301 67.6 75.9 75.7 7-.7 75.7 73.7 14.7 78.4 85.3 83.1 +2.5 +5.3 P4.2 84.2 87.1 F4 . ¿ 15001 71.3 78.3 79.4 83.1 43.7 83.9 44.2 12001 73.4 + 7.1 o G. 7 07.1 82.3 65.2 85.9 47.1 86.5 46.8 42.4 96.4 10001 75.1 89.7 69.7 20.9 40.0 37.4 65.6 67.9 +1.5 90.4 9001 75.9 8001 76.2 P 3. 3 85.9 69.2 c c . 4 90.1 92.3 9.7.0 92.8 .2.0 86.9 91.0 91.6 9.2.8 92.8 H4.0 65.5 F7.7 97.1 96.2 96.9 92.9 92.6 #2.6 93.4 73.6 94.1 54.7 94.1 +4.1 24.1 94.1 94.1 86 . 4 47.8 94.9 94.0 94.8 υF 76.5 87.4 91.3 92.1 93.1 94.1 95.2 90 . 4 95.1 40.6 25.6 5 E.C. 16.8 H5.3 87.5 89.5 92.0 92.1 97.9 94. -45.0 96.1 91.6 96.6 96.6 56.5 46.6 46.6 96. 85.6 ı, € 4001 77.1 88.2 89.7 92.4 92.4 93.9 27.2 97.6 97.6 97.6 47.8 47.8 94. 3 27.6 8 A . 2 92.7 92.5 97.2 99.5 6. 5 3031 77.1 95.6 89.8 93.1 94.7 96.1 98.5 99.1 99.1 99.2 34.5 99. ! 35.6 2501 77.1 49.8 94.9 90. 49.6 93.3 96.3 28.7 99.3 99.4 99.4 75.€ c 4 . 8 €. • 1001 77.1 88 .. 98.8 88.2 89.6 ij₽. 31 77.1 95.6 92.6 93.3 94.9 96.1 +1.4 3.90 90.4 99.4 .7.5 99.5 49.A 100.0

GLOBAL CLIMATOLOGY PRANCH USAFETAC

PENCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC STATION NUMBER: 127675 STATION NAME: MINUT AFR NO PERIOD OF RECORD: 78-67
MONTH: FER HOURSILS FOURSILSTI: 511 ***************** CEILING 6E 5 ur t GE CE 3 2 1/2 GE 4 IN 1 GE FEET 1 10 u€ €/16 3/4 5/# 1/4 46.0 49,2 46.1 NO CEIL 1 44.3 46.8 52.4 52.6 52.6 52.9 51.0 53.0 52.2 52.4 53.5 5.5 - 1 Sr 200601 48.1 50.1 51.7 51.4 52.1 51.1 51.1 51.1 53.4 53.4 5 * . 4 5 * . 4 5 * . 4 GE 180001 48.4 GF 160001 48.4 52.4 52.7 52.9 53.1 53.5 53.4 c 3 . i. 51.7 52.5 50.4 51.2 52.5 52.5 53.0 53.4 53.3 53.7 53.4 53.8 13.5 50.4 51.2 51.7 52.7 52.9 6F 140001 49.8 50.6 53.1 53.4 53.€ 51.6 52.1 52.6 65 100001 51.9 65 90001 53.1 56.7 59.0 60.9 57.7 58.3 61.2 57.3 58.6 17.4 57.0 57.6 11.2 5.7.3 57.4 · 4.1 55.2 55.5 56.5 55.3 57.7 56.2 58.8 56.7 59.5 57.7 63.6 62.1 58.5 5.8 . b 5m.7 97001 53.1 57.8 87001 55.3 61.2 61.5 61.6 (1.7 61.4 11. £ C . 7 (1.6 GE 63.9 7000| 55.5 59.1 62.5 61.3 63.4 63.9 64.1 69001 57.2 63.0 61.2 52.3 63.2 63.3 63.6 64.4 56.6 67.9 66.9 77.1 66.3 67.3 69.7 66.4 67.7 69.7 50001 58.5 61.5 62.6 53.0 52.5 54.1 54.5 65.1 65.2 65.6 66.3 6 € 63.7 66.11 66.4 67.5 45 001 59.5 45 001 59.8 35 001 60.6 67.2 67.7 57.8 58.8 / 7.= fn.b 65.6 65.9 67.P 67.3 67.6 61.3 69.€ G E 69.2 *... 69.2 69.1 70.C 17. 70.. 72.2 64.1 66.9 67.1 12.2 30601 61.4 65.2 66.3 73.1 16.3 12.9 71.5 71.6 71.9 72.1 73.3 ٠., 25001 62.4 69.4 69.5 71.4 12.2 15.0 72.8 73.5 74 - n 74. 74.3 2000 | 64.6 1800 | 64.8 77.6 7m.4 R2.8 77.6 79.0 52.4 77.7 75.7 76.6 77.1 17.5 16.4 E R . H 71.1 72.5 74.9 79.9 82.8 69.7 72.5 12.2 76.3 79.3 78.5 P2.4 70.0 78.6 82.7 GE 76.2 77.0 77.7 77.9 00.5 81.6 15001 66.8 74.00 74.0 81.4 01.3 89.1 97.9 10001 10.4 81.5 A5.1 87.4 RR . 9 P9.3 49,E 49.7 91.7 92.7 91.1 97.1 97.0 77.4 80.8 92.8 53.4 16.2 47.0 87.4 89.2 89.3 97.4 21.1 6.5 9001 71.1 65.5 88.7 90.4 41.7 PUDI 71.4 81.4 86.5 59.5 97.1 91.3 91.9 91.4 92.5 7071 71.6 81.8 82.3 67.3 92.6 92.6 93.8 C 5. 1 G E n 7 • 5 58 . 7 90.1 90.R 92.0 42.4 9. . . 71.A 93.1 44.5 P to 3 89.7 91.2 5001 72.1 99.2 93.0 95.7 22.2 94. 5 95.1 45.3 85.1 68.6 4001 72.7 3001 77.4 96.6 97.8 92.3 96.7 47.7 98.5 79.1 83.3 89.4 92.0 93.7 94.5 95.0 16.9 21.3 41.4 96.2 :9.6 69.7 95.3 95.5 97.6 83.4 87.4 92.6 48.7 4 95.9 96.6 94.4 95.4 41.4 97.4 79.6 45.5 92.8 94.6 99.1 99.4 76.7 94.6 96.4 1001 72.4 74.6 63.4 85.4 69.8 97.8 95.5 97.4 98.5 VR - 2 1.40 40.4 44.4 71 72.4 83.4 99.4 171.0 96.5 99.9 09.1 G E 74.6 Pr. 9 89.8 3 3. 7 92.3 94.6 45.5 97.4 40.4

GLOBAL CLIMATOLOGY BRANCH USAFETAC FROM HOURLY OBSERVATIONS AIR WEATHER SERVICE/MAC

	STATION NUMPER: 727675 STATION NAME: MINOT AF3 NO												: MAF	3P(): 78-87 HOURS(LST): 3CCD+G2CC				
CEI	L 146		• • • • • • •				•••••	1217	61 L I T Y	1 N < T A T I	. T F M I I		• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •		
		GE	GŁ	GE	UΕ	GE	Ŀξ	ri E	G.F	GE	υE		G.F	GE	GE	5£	ьŧ	
		10	ŧ	- 5	4			-	1 1/2	-	1	3/4	5,6	1/2	1/16	1/4	J.	
				••••													• • • • • • • • • • • • • • • • • • • •	
Ŋ C	CEIL	52.2	52.8	5 3 . 5	53.4	54.2	5 4 + 2	54.4	54.4	54.4	54.5	54.5	ė a • e	54.5	54.5	44.5	. 4.6	
., 1	200001	54.9	55.7	56.5	56 • A	57.1	57.1	57.3	57.3	57. ?	17.4	57.4	57.4	57.4	c 7 . 4	57.4	r 7.5	
GF	190001	55.1	c 5 . A	56.6	£6.9	57.2	57.2	57.4	57.4	57.4	57.5	57.5	57.5	57.5	5.7.5	57.5	67.6	
is E	161 331	55.1	55.8	56.6	56 . 9	57.2	51.2	57.4	57.4	57.4	17.5	57.5	57.5	57.5	17.5	57.5	5.7 • 6	
ų E	140001	55.6	56.3	57.1	57.4	57.7	c 1 . 7	58.0	56.0	50.0	58.1	5 - 1	54.1	53.1	55.1	54.1	* e • 2	
GE	120001	56.6	57.3	59.1	58.4	54.7	58.7	50.9	58.9	5 A • 9	59.C	59.0	59.5	20.0	£4.0	20 * C	r c, . 1	
o E	100001		19.4	60.2	60.5	61.3	61.0	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	€1.4	
ō €	97,001		0 C • 1	61.3	61.3	61.7	61.7	61.9	61.9	61.6	62.C	67.0	62.0	62.3	42.3	67.0	12.2	
υE	8760	61. C	62.6	63.4	63.0	64.2	64.2	64.5	64.5	64.5	44.6	64.7	64.7	64.7	64.7	64.7	r 4 . ë	
υf			£ 3 • 3	64.2	64.5	64.9	64.5	65.3	65.3	65.3	65.4	65.5	65.5	65.5	55.5	65.5	€ € • €	
ს €	60001	62.7	63.9	64.7	65.1	65.5	55.5	65.9	65.8	65.9	65.9	66.0	66.0	66.9	46.3	66.0	(6.1	
į, r	50001	64.3	65.7	66.0	66.9	67.7	67.7	68.1	64.1	6ª · 1	68.2	69.3	68.3	63.3	64.3	€4.3	F. H. & W.	
'a F	4500	67.2	(P . 0	69.7	7C - 1	71.2	71.2	71.5	71.6	71.6	71.7	71.5	71.6	71.9	71.5	71.8	71. *	
€.	40001	67.B	69.7	7.5 .5	71-1	72.5	72.5	72.8	72.9	72.9	73.0	7 7 • 1	73.1	73.1	73.1	7 7 . 1	73.2	
Li E	35 00 1	6 m • 6	73.6	71.5	72.2	73.7	73.7	74.0	74.3	74. २	74.4	74.5	74.5	74.5	74.5	74.5	74.6	
υF	30001	70.1	72.2	73.1	73.5	75.4	75.4	75.7	76.0	76.7	76.1	16.2	76.2	16 • 2	76.2	76.2	70.3	
1, €	25001		74.2	15.3	76.3	77.7	77.7	78 . 1	78.4	78.4	74.5	70.6	78.6	78.6	78.6	74.6	7 5 . 7	
Ģ €	27001	77.0	75.7	76.4	77.6	79.4	79.4	79.8	83.1	80.1	an.3	80.4	RJ.4	33.4	ខ្លា.ម	a 0 . 4	P C . 5	
6 E	18661		75.8	17.j	77.7	79.5	79.5	79.9	80.2	60.3	9.09	87.Q	RJ.9	63.9	Rg.9	60.9	F1.U	
Ģ €		74.5	77.1	7 A . 3	79.3	50.9	5C. 9	81.6	P1.9	62.0	A2.5	4.7 ⋅ 6	82.6	82.6	P 7 . 5	6.2.6	F 2 . 7	
эĒ	12001	74.P	79.2	79.5	4D.4	62 · 1	F2.8	83.7	P4.1	34.2	94.7	84.8	84 B	94.8	P4.9	64.A	94.9	
S E	1001	75.2	73.6	83.2	81.3	£4.3	44.5	85.7	96.5	86.7	07.3	87.5	97.6	97.7	07.7	n7.7	# 7 . h	
u t		75.3	78.8	83.4	E1.5	84.6	84.B	£6.1	86.9	87.1	a 7 . 8	8 F • 1	P8.2	44.3	яв.з	BR.3	4 c . 4	
G.		75.6	79.5	81.2	A2.6	85. 🖈	4 t . 1	87.4	A4.2	88.4	99.1	80.4	99.5	89.6	99.7	£9.7	89.8	
t, E		7°. P	90.0	82.3	P3.7	67.3	° 7.5	9.88	89.7	87.9	90.6	60.6	91.0	91.1	91.2	41.2	91.3	
J L	6031	76.~	3 O . 3	82.9	84.4	8 R . 3	98.5	90.4	91.2	61.5	92.3	92.5	92.6	92.7	92.8	52.8	92.4	
Ģ.€		76.0	83.8	83.3	94.8	69.4	64.6	92.2	93.4	43.2	94.5	94.9	95.1	95.2	25.3	94.3	95.4	
GΕ		76.7	81.0	83.7	85 · Z	69.5	7 L. E	92.6	93.9	94.2	94.9	95.4	95.5	95.6	95.7	5 . 7	95.5	
i E		76.2	91.C	83.5	85.3	90.0	90.4	92.8	94.2	94.5	95.7	96.1	30.5	96 . 3	96.5	34.5	96.7	
6		76.2	31.C	93.6	95.3	90.1	90.5	93.1	94.9	45,9	96.9	91.4	97.6	97.8	78.J	9 a . O	96.7	
ŭ €	:031	16.2	41.6	83.8	85.5	90.3	49.9	9 T . 3	95.3	96 • 1	97.2	54.7	98.5	99.7	98.8	49.1	1	
ĿΕ		76.2	A1.0	83.6	e5 • 5	90.3	95 . 8	93.3	95.3	96 - 1	97.:	90.2	99.5	99.7	8.85		1:5.0	
• • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	•• • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	•••••	

PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY $\sigma_{\theta} s_{e} \, \text{RVal}_{1} \text{ONS}$

STATION NUMBER: 727675 STATION NAME: MINOT AFE NU

PERIOD OF RECURBE 78-87

MONTH: MAR HOURSILSTEE 0300-0500 CEILING VISIBILITY IN STATUTE MILES GE GE 3 2 1/2 GE J GE GE GE 2 1 1/2 1 1/4 IN | FEET | U E G 5E 172 ύ€ °/1υ ٠, 1 1/4 10 5 5/5 57.2 NC CEIL | 57.3 53.4 53.2 55.3 55.5 55.9 55.9 55.9 56.1 56.2 r6.1 c 5 - 1 GF 200001 53.5 54.9 r 6 • 1 56.1 56.1 56.1 56.1 56.1 56.2 56.2 56.1 56.2 56.3 55.1 55.4 55.6 56.2 66.2 6.6.2 56.2 16.2 GE 160001 53.1 56.0 56. C 56.3 56.2 GE 160001 53.1 55.1 55.2 55.4 55.5 55.6 55.7 56.j 56.l 56.2 56.3 : 6.3 56.2 56.3 56.0 56.0 56.2 56.2 55.2 56.3 56 • 1 56.1 GE 12003 54.0 55.9 56.2 56.5 56.9 56.9 56.9 57.1 57.1 57.1 57.1 5.7 - 1 5.7.1 7.1 57.1 47-1 GE 100001 55.5 GE 90001 55.6 r 6.9 56.5 59.0 61.5 6,0.9 57.7 5 9 . 1 50.3 58.7 58.7 58.7 58.9 58.7 r. g _ y 44.4 58.9 1. 2. - 2 59.5 61.5 62.7 90001 55.6 80001 57.7 70001 58.7 57.8 58.4 58.8 59.0 59.0 59.3 59.0 59.0 61.5 59.0 ٠9.0 58.2 58.8 56.8 60.6 6j.3 60.9 61.3 61.3 61.3 61.5 01.5 61.5 61.4 61.5 62.7 62.5 63.1 G E 61.8 62.0 62.7 62.7 62.7 62.7 0:.1 63.3 . 3.3 υE 60001 59.2 63.3 66.0 64.0 72.0 71.0 5000 61.1 65.3 65.8 65.8 77.0 71.2 72.6 69.5 70.5 69.8 77.3 71.2 73.3 71.2 ЬE 45001 64.3 67.7 68.3 68.7 64.6 70.0 73.3 70.C 70.0 10.3 40001 64.8 76.6 69.1 69.7 71.1 72.5 71.2 71.2 71.2 G F 68.6 71.1 3500| E5.9 69.6 72.4 71.0 71.8 71.9 12.2 72.6 72.6 72.6 72.6 72.6 73.6 73.7 13.7 73.8 i. F 30001 66.8 71.0 71.6 72.2 73.3 73.1 73.5 73.8 76.5 75.5 76.5 76.5 6 F 73.2 73.9 74 . 4 75.4 75.8 76.2 76.2 76.5 76.5 75.5 76.5 74.6 79.2 74.5 78.6 79.2 78.6 20001 79.2 75.7 77.7 78.2 78.4 79.6 78.6 77.3 77.4 76.5 76.2 77.6 78.0 74.5 78.8 8J.5 79.0 19.2 79.2 IS F 19001 70.6 76.9 77.8 78.4 70.9 15 601 71.9 76.5 83.0 P1.L 61.3 78.4 12001 73.0 81.6 61.8 93.2 A 3 . 4 85.9 87.5 88.4 79.4 PC.2 F 1 . 1 ы Е G £ 10001 73.9 e3.5 F3.2 84.1 84.4 54.9 95.5 85.9 86.0 F6.0 85.2 86.5 A 7 . ŋ F 7 • 1 A6.6 9001 74.1 81.7 82.5 64.1 85.2 86.C 86.3 e7.1 82.6 64.3 97.1 FEAT 74.3 83.7 45.5 87.3 87.8 8 P . 7 88.5 96.7 89.8 F 8 . F 67.3 97.0 F 1 . 1 67.3 86.4 67.6 9.7 82.9 44 . . £5.8 P6. 4 6 R . 4 89.5 49.7 96.0 90 B 91.2 85.5 68 .9 5031 75.1 4001 75.2 3001 75.2 L F . 6 -2.2 90.5 92.0 92.9 93.5 94.2 BE. 7 92.6 92.8 91.1 í, f 32.3 94.5 95.9 68.4 50.6 93.5 94.6 24.8 95.2 95.4 95.7 95.7 97.0 P Z • 3 84.5 R5.9 94.7 95.6 96.5 96.7 97.0 6 6 e H . 4 93.4 46.0 97.5 2001 75.2 62.3 94.5 A5.9 59.5 5 b . b 91.1 93.4 94.3 96.1 97.1 98.2 94.4 98.7 56.5 1021 75.2 99.2 99.8 93.7 97.7 28. 99.7 100.0 6 E R2.3 84.5 85.9 89.6 44.9 91.1 94.5 96.6 (, E OL 75.2 P 2 . 3 84.5 91.3 93.7 94.5 96.6 97.7 98.2 99.7 99.2 99.8 100.0 85.9 68.6 FR. 9

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VEHICLS VISIBILITY

PERIOD OF PECURD: 78-87

STATICH NUMBER: 727675 STATION NAME: MINOT AFB ND

								טאי כיזא					MONTH	: MAR	HOURS	(LSI):		
	LING		• • • • • •	• • • • • • •	• • • • • •	• • • • • • • •	• • • • • •	••••••			IN STATE			• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •
	N		GE	bϝ	5 E	ĢΕ	GE	GΕ	G E	GE	GE	יונ הזנ פנ	rs GE	61	GE	GE	Sit	G E
			10	UL E	0.5					1 1/2		1	?/4	578	1/2	1/16	1/4	o,
• • • •				••••		••••••			• • • • • •				•••••					
N 0	CEIL	1	44.7	46.9	47.4	47.6	48.2	48.3	48.3	45.4	48.4	48.4	48.5	48.5	48.6	48.7	49.7	45.7
úξ	20001	31	47.2	49.4	49.9	50.4	53.9	51.6	51.0	51.1	51.1	51.1	51.2	51.2	51.3	51.4	51.4	51.5
GE	18000	31	47.5	47.8	50.7	50.9	51.3	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.7	51.8	51.6	41.9
6 E	16000	01	47.5	49.8	50.3	50.9	51.3	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.7	51.5	51.8	51.4
GΕ	1406	01	48.p	53.2	57.0	51.3	51.7	51.8	51.8	51.9	51.9	51.9	57.0	52.0	52.2	52.3	53.3	52.4
Ŀ£	12000	01	49.6	51.8	5 2 • 4	53.3	53.7	53.9	53.9	54.0	54.5	E4.0	54.1	· 4 • 1	54.2	° 4 • 3	54.3	: u , u
/. F	1000	n i	٠	13.5	54.1	54.4	55.7	55.9	55.9	50.E	56.7	56.0	51.1	56.1	55.2	56.3	56.3	° 6 • 5
G E	97.00			54.7	55.3	56.1	56.9	57.1	57.1	57.2	57.2	57.2	57.3	57.3	57.4	57.5	57.5	16.5
	8700			56.6	57.2	58.1	58.9	59.1	59.1	59.2	59.2	50.2	50.4	59.4	59.5	(9,5	57.6	59_7
	700			58.8	59.6	60.4	61.5	61.5	61.6	61.7	61.7	€1.7	61.8	61.A	61.3	62.0	65.0	(2.2
6 E	600			59.1	59.9	b9	61.7	61.9	62.0	62.3	62.3	62.3	67.4	62.4	62.5	62.6	62.6	62.7
t) E	00.00	٠,	30,63	J 7 • •	,,,,	0017	01.7	01.7	02.0	02.5	02.3	62 • 3	5. • •	02.4	02.0	# Z • U	0.0	6.5 . 1
G E	5001	01	59•€	61.6	67.6	63.7	64.5	64.7	64.8	65.1	65.1	65.1	65.2	65.2	65.3	1.5 • 4	65.4	65.5
G.€	45 60	a1 (63.4	63.E	65.7	06 • 6	67.3	67.5	67.A	68.1	68.1	68.1	68.2	68 • 2	59.3	60.4	ξ, α 4	68.5
G E	400	11	61.2	64.5	65.7	67.1	68.2	68.5	6 R . R	69.0	69.3	49.€	69.1	69.1	69.2	69.4	63.4	64.5
u E	35 50	ct :	62.3	65.7	67.1	68.4	64.7	72.1	77.4	79.8	70.8	70.8	70.9	73.9	71.0	71.1	71.1	71.2
ſ₹	3C 01	C I	t2.7	66.6	68.1	64.7	71.1	71.5	71.5	72.3	72.3	72.3	77.4	72.4	72.5	72.6	12.6	72.7
4 ٤	2501	r 1		68.4	69.4	71.6	13.3	73.4	77.9	74.2	14.2	74.2	74.3	74.3	74.4	74.5	74.5	74.6
ù F			65.4	67.7	71.3	73.4	74 5	74.9	75.5	75.8	75 a A	75.8	75.0	75.9	76.0	76.1	76.1	76.2
G.E.			65.8	70.2	71.8	73.5	75.2	75.6	76.7	76.6	76.6	76.6	76.7	76.7	76.9	76.9	76.9	77.0
(, -			67.C	71.7	73.3	75.1	77.0	77.4	73.4	73.7	14.8	78.8	79.9	78.9	79.0	79.1	79.1	74.2
is E			£ P • 6	73.9	75.6	77.7	77.9	50.3	51.4	91.8	31.8	F1.8	81.9	81.9	82.0	92.2	02.3	82.4
., _	12 (1)	٠,	£ - • 6	7 3 . 4	10.5	((•)	1 7 . 7	7114	31.4	21.0	31.0	- A • D	01.	c I • •	72.0	74.46	0.00	
(1 t	100	C t	66.6	75.3	77.0	79 . 0	82.3	82.1	84 • 1	84.6	64.7	A4.F	85.2	85.2	85.3	25.4	8 F. + S	F 5 . 6
6.5	9 C	10	70.C	76.1	70.4	60.6	83.3	93.9	85.1	A5.9	06.0	P6 . 1	86.5	A6.5	96.6	B6.7	86.8	86.9
G.E	8.0	0 I	77.5	77.0	79.2	A1.7	H4 . 3	94.8	86.3	87.C	87.1	P7.3	87.6	£7.6	97.A	98.0	.9.1	81.2
6.€	7 (2)	31	77.9	77.5	79.8	02.3	84.8	25.4	87.0	A7.6	87.7	48.C	80.3	88.4	88.8	9.89	89.1	2.63
5.5	€J.	21	71.1	15.6	6 C . S	63.0	£5 + 8	66.3	84.1	58.7	8 • 8	99.6	89.5	89.8	93.3	? 5.4	93.6	01.0
ù f	6.5	٠,	71.3	18.3	61.1	P3.5	86.5	97.0	88.0	89.1	09.9	90.4	91.7	91.3	91.8	92.3	92.3	92.6
Ü.E			71.7	73.3	81.1	A3.5	56.8	P 7 . 3	89.5	93.9	91.7	91.6	35.6	93.1	93.8	94.0	94.4	94.7
i, F			71.3	78.4	81.2	P3.8	87.C	47.5	97.4	42.4	92.R	93.9	25.1	95.7	96.3	96.6	97.0	97.3
G.F			71.4	78.5	61.3	P3.9	87.1	H 7. 6	90.4	92.6	93.3	94.6	9 C . a	96.5	97.2	97.5	99.0	98.4
GE			71.4	78.5	61.3	A3.4	67.1	n 7 • b ê 7 • b	90.45 90.45	92.6	93.5	95.1	96.5	97.2	79.1	98.5	40.4	100.C
		٠,	,	1000	34.5		07.1		71 41	45.40	7 1 6 3	* , • 1	7 (0 4 %)	41+2	****	70.3	, . , .	1104 L
t, F	1	c F	71.4	78.5	81.3	A3.9	87.1	47.6	90.5	92.8	93.5	06.1	96.5	97.2	98.1	98.5	99.4	100.0

PERCENTAGE FREQUENCY OF UCCURRENCE OF CFILING VEHSUS VISIBILITY FROM FOLICLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB NO

PEDIOD OF MECORD: 78-67 MONTH: WAR HOURK (EST): 0900-1160 VISIBILITY IN STATUTE MILES ONI LIBO NO CEIL | 44.0 47.7 46.0 48.1 48.1 48.1 48.3 48.4 46.1 44.4 48.4 46.6 48.4 44.4 46.4 50.5 51.2 52.6 ٥٠.٠ 6E 202001 47.7 50.0 52.0 52.3 52.3 52.3 52.5 52.6 51 • 1 51 • 7 51.7 52.4 52.6 GE 180001 4P.2 50.6 52.7 52.9 52.9 52.9 53.1 51.2 53.2 53.2 63.2 53.2 54.5 53.2 GE 16003| 49.2 50.6 51.2 52.2 51 • 7 52·4 53·7 52.7 52.9 52.9 52.9 53.1 53.2 53.2 53.2 ۲4.4 54.5 ·4.6 6E 140001 49.0 51.6 52.7 54.2 54.9 54.2 54.2 54.5 54.5 54.0 UE 120001 49.4 52.7 53.2 55.2 GE 100001 51.9 54.9 55.7 56 . 2 57.5 57.8 58.1 58.3 58.3 58.5 58.6 58.6 59.6 59.6 59.2 61.3 19.2 90001 52.3 56.3 58.4 59.9 59.1 59.3 59.2 59.2 59.4 61.4 GE 55.5 56 . 9 58.2 58.5 58.7 58.9 GE 80001 54.0 57.4 56.4 60.2 60.5 63.8 61.3 01.0 61.2 61.3 61.3 51.3 61.3 70001 55.7 59.4 60.4 61.1 62.4 62.9 63.1 63.1 63.3 F 3 . 4 6 . 4 43.4 60001 56.3 64.0 44.4 G £ 60.0 61.1 61.7 63.1 63.5 63.8 64.0 50001 57.3 66.1 t t . ž θE 61.4 62.6 63.2 64.7 65. 2 65.4 65.6 65.6 65.8 66.1 66.1 46.1 66.1 45001 57.4 40001 58.4 66.5 67.3 68.6 67.0 68.6 67.J 67.0 61.9 63.1 63.8 65.5 65.9 66.1 66.5 66.7 67.C €7.1 G E G E 64.6 . 6 . 7 62.9 64.1 65.1 66.8 67.2 67.5 68.0 35001 59.5 75.2 70.0 60.5 69.3 3rnof En.4 65.5 66.7 70.8 71.4 71.4 71.7 72.2 72.2 12. 3 *3.8 7 7 . A 25 001 61.6 67.0 71.€ 72.3 73.0 73.0 73.3 73.8 73.8 73.9 GE 68.2 69.4 71.4 76.8 77.3 20001 63.5 18001 63.7 70.5 71.7 76.0 74.4 76.8 76.8 ĢΕ 69.2 74.3 75.1 76.3 76.6 76.4 73.4 76.0 74.6 69.5 74 • 1 75 • 9 77.7 77.3 79.8 6 5 75.6 76.6 76.5 76.9 77.3 77.3 77.4 79.8 79.0 79.4 79.9 GE 15001 64.7 72.4 73.5 76.5 79.3 79.0 12001 67.3 A 3 . 9 P3.9 94.6 £5.6 85.6 85.6 94.7 GE 10001 68.0 76 . 3 81.6 83.2 84.5 95.1 85.6 97.C 97.6 88.5 P7.7 9001 68.4 8001 68.7 82.5 63.3 97.6 87.6 68.5 G.F 76.0 78.0 79.6 A 3 . 1 84 . 7 86.5 86.6 87.6 87.6 P7.8 88.5 F 6 . R 78.5 60.5 44.5 76.6 90.4 35.6 87.3 87.4 65 64. C 99. 77.4 79.5 86.8 88.6 90.1 20.1 93.1 ¥7.1 90.4 6331 GE 80.5 93.5 91.2 92.1 78.1 52.7 86 . 3 87.1 88.7 90.4 92.0 5001 69.9 G E 78.1 80.6 83.1 89.9 93.2 94. 1 94.3 94.6 94.7 94.7 95.2 87.3 28.1 91.9 92.2 93.3 6 E 4001 69.9 3501 69.9 78.1 80.8 83.4 87.B 90.8 92.9 74.7 95.7 96.0 96.3 ≎6.5 56.5 40.4 58.7 8 C . 6 69.2 96.5 47.7 78.1 F3.4 94.L 91.3 27.2 97.3 97.6 97.7 96.2 83.4 89. Ú 93.5 98.0 98.3 96.4 91.4 94.2 100.0 G E 1001 69.9 98.7 99.4 91 69.9 99.4 100.0 G F 78.1 80.8 03.4 88.2 89.5 91.4 93.5 94.2 96.5 90.1 98.2 29.6 CH . 7

PERCENTAGE FREQUENCY OF CCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER:			-							MONTH		HOURS	LSTE:		
CEILING	• • • • • • •		• • • • • • • •					IN STATE			• • • • • • •	• • • • • •			· · · · · · · · · · · · · · · · · · ·
IN GE FEET 10	٥٤ د	GE 5		5E		G E	GF 1 1/2	5t 1 1/4	GE 1	56 7/4	5 f 5 y e	5E 1/2	6f 6/16	6E 174	6F 0
NO CETE 1 48.0	49.9	57.4	56.5	50.6	6C+6	57.6	· D · 6	50.6	*O.e	50.4	5g•#	50.6	*J.s	57.4	50•H
05 200001 52.3 05 180001 57.6 05 160001 52.6 05 140001 52.9 05 120001 53.8	54.7 55.1 55.4 56.3	55.3 55.6 55.6 55.9	55.4 55.7 55.7 56.0 57.1	55.5 55.8 55.8 56.1 57.2	55.5 55.6 55.6 57.3	55.5 55.8 55.8 56.2 57.3	55.5 55.6 55.6 56.3 57.4	55,5 55.8 55.8 56.3 57.4	65.6 65.9 65.9 56.5	55.6 55.9 55.5 56.5 57.5	55.6 55.9 56.5 56.5	55.6 55.9 55.9 56.6 47.6	5.6 5.9 65.9 56.6	55.6 55.6 56.6 57.6	55.0 55.9 55.9 56.6 7.0
DE 10000 55.4 05 9000 55.8 06 8000 58.0 06 7000 59.0 06 6000 59.0	58+1 58+6 50+8 51+8 61+8	59.2 61.5 62.7 62.8	56 • 8 59 • 4 61 • 6 62 • 8 62 • 9	58.9 59.5 61.7 63.0	5%.0 5%.6 61.8 63.1 63.2	57.2 57.6 67.2 63.3	59.4 59.9 62.3 63.5	59.4 59.9 62.3 63.5	19.6 62.1 62.5 63.8 63.9	59,6 60.1 60.6 63.9	59., 63.4 63.9 64.J	59.7 60.2 62.7 64.0	59.7 53.2 62.7 54.3 64.1	59.7 50.2 62.7 64.0	64.7 fl.2 fl.7 fu.G f4.1
GE 5000 L0.5 GE 4000 60.6 UE 4000 61.7 GE 3500 62.3 GE 3000 64.3	63.4 63.9 65.1 65.6 68.2	64.5 65.1 66.2 66.4	64 • 6 65 • 3 66 • 5 67 • 2 69 • 9	64.8 65.5 66.7 67.5	64.9 65.6 66.8 67.6 70.5	65.2 65.8 67.1 68.1 71.0	65.4 66.2 67.4 68.4 71.5	65.4 66.2 67.4 68.5 71.6	65.6 66.2 67.7 68.8 72.0	6 ° • 8 6 6 • 6 6 8 • 3 6 9 • 4 7 2 • 6	65.9 66.6 68.3 69.4 72.6	65.9 66.7 68.4 69.5 72.7	65.9 65.1 68.4 69.5	65.4 66.7 68.4 69.5 72.7	65.9 65.7 68.4 69.5 72.7
6E 15001 65.P 6E 20031 67.9 6E 19001 68.4 6E 15001 70.9 6F 12001 73.8	73.4 72.9 73.7 77.2	71.7 74.5 75.4 78.9 83.3	72 • 3 75 • 2 76 • J 74 • 6 54 • 1	72.7 75.8 76.9 80.4 65.2	73. C 75. 9 77. D Fo. 6 A5. 5	73.4 76.3 77.6 61.4 86.3	74.1 77.4 78.7 82.5 37.5	74.2 77.5 78.8 82.6 87.6	74.E 78.D 79.2 83.C 88.4	75.2 79.5 79.8 53.5 89.7	75.2 78.5 79.8 83.7 89.1	75.3 78.6 79.9 83.9 89.4	75.3 78.6 79.9 93.9 89.4	75.3 78.6 79.9 63.9 89.4	75.3 76.6 79.4 83.9 89.4
GE 10001 74.3 GE 9001 74.6 GE 5001 75.2 GE 7851 75.4 GE 6001 75.4	42.7 33.5 24.2 24.6 34.6	85 + 2 86 + 7 86 + 7 87 + 1 67 + 2	85 • 9 86 • 9 87 • 5 88 • 0 88 • 1	67.2 68.3 67.0 89.5	87.5 88.6 89.5 84.9 96.1	88.4 89.5 90.3 90.9	84*6 91.0 91.8 92.5 93.0	89.9 91.1 91.9 92.6 93.1	90.6 91.8 92.7 93.4 94.0	91.3 97.5 95.3 94.1 94.8	91.4 92.6 93.4 94.2 94.9	91.8 93.7 93.7 94.6 95.4	91.8 e3.3 e3.9 e4.6 75.4	91.8 93.0 93.9 94.6 95.4	91.5 93.1 94.5 94.7 95.5
6E 5001 75.4 6E 4001 75.4 6E 3001 75.4 6E 2001 75.4 6E 1001 75.4	94.6 64.7 94.7 94.7 84.7	67.5 87.5 87.6 87.6 87.6	88.7 88.7 88.9 88.9	90.3 91.2 91.4 91.4	90.9 91.8 92.0 92.0 92.0	91.9 93.0 93.5 93.5	94.1 95.2 95.7 95.7	94.2 96.0 96.0 96.0	95.3 96.5 97.3 97.4	96.1 97.3 98.2 98.5 98.6	96.2 97.4 98.3 98.6 99.0	76.8 98.9 98.8 99.1 99.1	96.8 98.1 98.9 99.2 99.8	96.8 98.1 98.9 99.2 99.9	96.9 98.2 99.0 99.4 100.0
68 21 75.4	44.7	47.6	68.9	91.4	72.0	93.5	95.7	96.0	97.4	9	ز.وه	99.7	99.8		100.0

PERCENTAGE FREGLENCY OF OCCURRENCE OF CELLING VERSUS VISIPILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PEPIOD OF RECURD: 78-67 MONTH: MAR HOURS (LST): 1500-1700 VISIBILITY IN STATUTE MILES CEILING GE GE GE 4 3 2 1/2 EILING IN 1 GE FEET 1 1C 1/2 1/16 5 5/8 1/4 6 NC CEIL 1 45.7 55.1 55.5 65.6 54 • 7 55 • 5 55 • 5 55.1 56.a 55.1 55.8 55.1 GF 200001 52.3 54.3 54.9 55.1 55.1 55.7 55.7 56.3 GE 186001 53.0 GE 160001 53.0 55.3 55.6 55.7 55•7 55•7 55.8 55.8 55.4 54.8 55.1 55.9 55 • 8 56 • 6 54.8 55.1 55.3 55.6 55.7 55.8 55.4 15.0 55 · A GE 140001 53.7 GE 120001 54.7 55.7 55.9 56.1 55.6 (1.5 1646 r H. O 56.7 57.0 57.2 57.5 57.6 57.7 57.7 57.8 58.3 53.0 61.3 61.7 €1.3 59.9 60.1 60.6 61.5 60.9 51.₀ +1.3 61.0 6F 109001 57.3 59.6 50•5 61•4 63.6 60.6 61.3 61.0 61.5 64.0 65.1 61.0 61.5 90001 58.1 60.4 62.8 61.5 64.3 61.7 €1. 4 80001 60.3 62.9 63.2 63.4 63.8 63.5 64.3 64.2 65.3 64.7 6°.6 64.3 64.3 44.3 64 • 3 5 • 7 14.3 64.9 65.1 64.8 65.1 64.3 64.5 70001 61.4 64.C 67601 61.6 64.5 64.7 65.1 65.3 65.3 65.5 65.8 55.6 65.2 GE 67.3 67.5 67.4 67.7 68.1 67.7 · 7 . c 50001 63.2 65.9 66.2 66.5 67.1 67.2 61.2 67.7 • 7.5 t. 7 . A 66.8 67.3 67.4 67.5 67.5 64.1 69.1 65.2 66.2 68.2 45001 63.4 66.2 66.6 69.2 70.3 17.4 40001 64.3 67.4 67.6 68.2 68.3 68.6 68.7 68.7 68.9 69.2 69.2 19.4 υ7**.**1 7.1.4 69.6 66.4 69.1 69.3 69.7 5 7 . 7 70.0 10.3 70.3 76.4 71.8 71.2 73.1 73.1 71.6 73.4 GΕ 76.3 77.0 77.7 77.3 77.5 77.6 77.7 25 00 | 70.3 74.8 75.3 75.5 76.5 77.5 77.7 GΕ 2001 73.5 18001 73.8 79.3 79.4 79.6 PO.9 61.4 62.4 91.5 81.5 F1.5 77.8 78.7 14.7 80.0 80.3 80. T 41.4 A1.4 € 2 . 8 8.58 91.5 6 E 79.9 79.8 80.6 60. b 81.1 81.5 86.7 12001 77.7 20.2 90.4 H 4 . 6 85.2 85.7 87.0 97.1 87.7 88.5 68.6 99.7 90.2 43.4 40.4 92.5 92.7 P7.3 90.5 72.5 60 17001 78.2 96.6 86.7 F8 . 6 96. 7 89.4 90.2 21.6 ΰE 86.9 41.7 93.7 73.7 74.C 9001 79.3 87.5 86.4 93.1 96.2 96.8 90.9 92.7 93.1 91.7 88.3 12.6 94.6 94.8 6001 74.3 97.1 88.6 90.6 91.4 92.3 93.7 94.3 94.3 74.6 91.2 95.2 35.3 y c . 6 95.6 93.0 \$5.6 7001 78.5 89.1 91.3 94.5 47.4 91.3 92.0 6 E 97.0 y7.0 97.2 92.6 94.3 € F 5 act 78 . 8 99.3 89.2 90.4 97.7 97.1 97.2 98.5 92.9 93.9 95.2 45.6 27.1 95.3 ya.6 38.6 4001 73.8 -8.5 89.4 90.5 90.5 93. U 93. 1 95.4 95.7 96.8 G.F 92.9 94.1 95. P 97.4 94.1 48.1 99.7 3001 78.8 89.4 94.2 99.5 98.5 98.7 99.0 99.0 99.2 96.1 97.8 98.6 GF 2001 79.8 88.3 89.4 96.5 93.4 93.1 94.2 95.7 ¥6.1 98.3 99.7 JA.A 99.2 99.2 99.5 1001 78.5 38.3 90.5 93.1 93.1 94.2 95.7 98.1 49.1 96.1 21 78.8 98.1 90.0 99.1 79.3 79.7 99.8 105.0 90.5 93.1 94.2 95.7 76.1

PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PERIOD OF RECORD: 78-87 MONTH: WAR HOLRS (LST): 1837-2000 VISIPILITY IN STATUTE MILES CEILING GE GE GE 4 3 2 1/2 IN 1 GE FEET 1 10 GΕ GE 6 GE GE GE 2 1 1/2 1 1/4 ઉદ ૬ 6E 5E 1/16 1/2 1/4 5/5 ۶. ن ۹ NO CEIL | 4P.8 50.e 50.0 50.2 50.3 50.3 53.3 50.3 50.1 50.5 50.5 50.5 57.5 50.5 45.5 GE 200001 53.3 55.3 55.3 55.5 54.3 5 ° . 0 5 ° . 0 5 ° . 2 GE 180001 53.7 55.9 56.0 55.3 55.5 55.5 55.7 55.7 55.7 55.7 55.7 55.9 55.9 55.9 55.9 45.9 55.4 55.8 57.5 56.5 58.2 56.5 56.5 GE 14030 54.0 55 . H 55.8 55.8 56.5 56.3 56.5 55.6 55 • 6 55.8 55.5 56.0 56.0 56.2 56.2 56 .2 56.0 57.7 6E 121001 55.6 58.0 56.0 58.0 58.0 58 . 0 56.2 59.2 58.2 GE 100001 58.4 62.5 60.3 65.6 61.1 61.1 61.1 61.1 61.7 61.3 61.3 61.3 51.3 61.3 t 1 . 3 61.3 GE 90001 59.0 61.2 61.4 61.9 61.9 61.9 61.9 61.9 61.4 61.7 61.7 61.9 61.7 61.7 8000| 60.9 7000| 61.8 63.1 63.3 63.3 63. n 64.8 63.A 64.9 63.F 65.2 64.7 64.0 64.0 64.0 64.0 64.0 65.2 64.9 64.1 64.3 64.8 64.8 60001 61.9 65.4 67.1 67.4 67.4 68.0 60.C 64.1 6R.3 69.5 68.3 68.3 66.3 L P . 3 4500| 65.3 4000| 65.6 3507| 66.7 68.2 68.5 68.6 69.0 68.6 69.1 69.1 69.2 69.8 67.4 69.4 72.0 69.6 69 • 6 70 • 7 70 • 8 59.6 72.2 69.6 70.2 70.9 G E 69.2 69.6 67.6 64.6 69.9 70.2 17.2 72.2 GE 69.0 71.5 69.6 69 • 7 72 • 2 79.2 7C.3 70.4 70.5 72.5 70.8 77.4 30001 6P.1 72.a 72.9 73.2 73.0 21 001 71.1 75.1 75.7 75.5 76.8 77.3 77.0 77.3 17.3 77.3 G € G E 76.6 2000| 72.9 1830| 73 7 1500| 75.1 79.8 80.5 A0.2 81.2 FJ.2 81.2 0J.3 01.3 ---ac.3 77.2 78.1 ن • 79 79.1 79.6 90.2 78.0 GE 79.7 78.8 79.6 60.C 80.8 F1.3 81.3 91.6 82.6 92.8 85.5 и э . е R7.4 87.7 la E 12001 76.1 81.9 82.9 83.5 85.1 85.3 86.0 86.5 66.7 F7.7 87.9 08.3 n v . 7 87.2 87.7 89.2 99.4 5 E 10001 76.7 42.7 A 3.9 84 - 6 86.1 96.3 88.0 98.9 89.2 d 3 . 7 24.7 91.4 G 9001 76.8 91.4 97.3 97.0 93.3 91.5 91.6 91.0 91.4 84.7 55.6 86.0 67.4 89.0 57.6 89.5 89.0 87.5 89.7 90.3 90.6 91.5 91.1 9001 76.8 83.8 85.2 56.2 90.1 91.6 91.7 7001 77.C 92.7 93.1 ×4.1 85.6 86.5 88.4 P 8 . 6 89.6 93.9 91.1 92.3 97.6 92.6 93.0 94.9 5601 77.7 ĢΕ 85.3 87.3 48.5 94.5 94.8 96.9 96.9 97.1 97.4 97.4 97.5 91.1 91.3 92.6 96.5 4001 77.7 3001 77.7 85.4 85.4 87.4 87.5 88.6 91.2 91.4 94.5 94.7 94.9 96.7 97.1 97.3 97.8 97.6 97.6 98.3 (, 5 92.7 92.8 97.1 91.7 98.4 97.6 ĿΕ 2001 77.7 85.4 87.5 88.7 91.3 91.5 92.8 94.7 95.2 97.7 98.3 99.5 98.9 69.1 99.2 905 99.6 40.9 100.0 95.4 81.5 88 . 7 91.3 91.5 92.8 94.7 95.2 97.7 79.4 01 77.7 87.5 58.7 71.5 99.9 100.0 41.3 94.5 98.6 99.9 99.4 92.8 94.7 95.2 97.7

PERCENTAGE FREGUENCY OF OCCUMPENCE OF CEILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND PERIOD OF SECURD: 79-67 MONTH: MAR HOURS (LST1: 2130-2300 CEILING | CE VISIPILITY IN STATUTE MILES GE GE GE 4 3 2 1/2 ſΕ G.E GE GT GE GE 2 1 1/2 1 1/4 1 Gέ 1/2 1/16 FEET 1 1C 1/4 5/5 11.2 NO CEIL | 48.4 49.2 49.8 51.0 51.0 21.7 51.2 51.2 51.2 11.2 51.2 51.3 50.2 50.8 54 • 8 55 • ? 55 • ? 54.8 55.3 55.3 55.3 55.3 54.8 55.8 55.8 54.8 55.3 55.3 6 £ 200001 51.2 53.9 54.4 54.4 54.6 54.8 55.3 55.3 GE 18703| 51.6 GE 16100| 51.6 53.2 53.2 53.9 53.9 55.1 55.1 55.1 55.4 55.4 54.3 54.8 54.3 54.6 54.6 55.1 55.1 55.1 54.6 55.8 GE 140001 52.2 53.8 55.4 ° 5. 4 55.6 55.6 55.6 55.5 55.2 55.4 55.5 57.3 57.3 5 . 3 6 120001 53.7 55.9 57.1 57.1 55.3 56.3 56.9 GE 100001 56-6 GE 90001 57-1 GE 80001 58-9 GE 70001 60-0 00.3 09.5 60.5 60.3 63.3 60.5 € C . 6 58.5 59.1 59 . 4 63.1 60.4 59.0 60.9 51.1 63.0 61.1 63.0 63.4 60.9 62.8 61.1 51.1 €7.6 67.7 01.1 60 - 1 60.6 61.6 61.5 61.9 62.6 63.7 62.6 63.7 62.8 63.9 62.6 61.0 63.0 43.0 61.0 61.9 60001 60.6 63.2 64.5 64.5 64.5 64.7 64.7 44.7 64.7 54.7 1.4.7 67.2 69.7 70.8 71.8 GE 50801 67.3 6E 45001 64.2 67.0 67.5 67.2 64.6 65.3 67. 67.2 47.2 65 . 7 460€ 6.6 . 8 67.2 69.7 70.9 71.9 69.5 70.5 71.6 63.7 (9.7 73.8 71.8 69.7 67.2 69.5 67.3 69.5 68.2 40001 (4.7 67.8 68.7 64.2 70.1 70.1 70.3 70.5 70.6 73.8 73.9 71.6 70.4 71.3 71.8 71.8 71. -35 001 65.6 υE 63.7 70.2 71.1 71.1 73.1 25001 69.9 74.2 75.3 75.9 77.1 77.1 77.3 77.6 77.6 77.8 77.8 79.9 80.4 82.9 77.0 77.8 16.0 79.9 80.4 82.9 2000| 71.3 18J0| 71.4 79.1 79.6 79.4 79.8 79.9 79.9 Lı F 75.9 77.2 77.3 79.1 79.7 79.7 77.9 79.9 PC.U 60.4 63.1 д_{и, 4} Р₂, 9 мп.4 е2.9 60.2 4J.4 e C . 5 6 E 76.0 77.4 78.2 74.€ A J. 2 15001 72.5 12001 75.5 79.2 80.2 83.3 61.7 c 1 • 7 61.7 92.5 02.5 52.9 ب و ز م 67.1 47.1 32.2 85.A 56.6 2.5 10.4 35.7 84.5 10601 75.6 91.4 63.3 86.6 86.7 a 1 • 8 89.5 90.0 90.1 90.6 91.5 9001 75.9 84.0 F5.4 68.1 200 £ 88.6 97.4 97.1 20.5 90±6 97.6 96.8 91.0 92.7 91.0 91.3 8001 76.2 7001 76.3 91.5 υE 82.2 32.5 84.5 45.8 89.6 F8. 7 89.1 99.4 21.4 41.5 4 L. C 91.4 92.4 92.1 93.0 93.1 Gr 6JG[76.5 42.7 04.6 86.3 93.1 90.3 91.1 91.9 ٠,٠,٠ 93.3 93.4 13.5 73.5 93.5 43.7 5001 76.6 93. 4 93.1 91.3 , 1.0 C, E 65.4 96.9 91.6 92.6 94.9 91.1 25.1 35.6 25.6 15.6 95.4 83.4 4001 76.E 85.9 97.9 40.2 06.9 GE 87.5 92.3 9. 8 75.1 96.2 91.6 96.5 96.9 97.1 G E 300| 76.6 93.4 85.5 97.5 42.4 92.9 94.2 95.5 75.6 27.1 97.4 97.4 97.7 07.7 97.8 98.1 85.9 97.5 94.3 2001 76.€ 83.4 87.5 92.4 42.9 94.3 95.8 16.3 94.2 99.6 20.6 44.7 98.9 1001 76.6 93. C 96.1 85.9 GE 01 76.6 83.4 87.5 92.5 01.6 94.4 95.7 y6.1 98.0 90.7 98.5 99.7 9.1 49.7 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CELLING VERSES VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS ND PERIOD OF RECORD: 78-87 MONTH: MAR HOURS (LST): . CEILING ETLING IN | GE FEET | 10 OF N. GE SE GE 1116 5/4 1/2 NO CEIL 1 47.9 49.4 49.9 50.5 50.5 50.7 50.8 5 ~ . 4 43.4 53.4 53.8 50 • I 53.6 50.7 63.8 54.4 54,5 64,9 54.A 54.6 GE 200001 51.5 53.3 53.5 54.1 54.6 55.0 54.8 54.6 54.6 54.4 54.4 55 • 2 55 • 2 65 • 8 55.2 55.2 55.7 5 t . 7 5 t . 2 5 t . 4 55.2 55.2 55.8 GF 180001 51.F 5 3. 7 54.2 14.5 54.8 55.C 55.7 55.1 55.2 15.2 ج 🚓 0F 18000, 51.8 0E 140001 52.3 54,9 55.0 53.7 54.2 54.5 54.9 55.3 55.1 15.2 14.3 55.5 55 .6 55.7 55.3 55.4 55.6 55.5 GE 120001 53.4 49.7 59.7 GE 1J7031 55.6 57.A 58.1 56.7 59.2 59.3 59.4 59.5 59.5 59.6 59.7 19.7 59.7 CYAN 62.6 6E 90001 56.2 6E 80001 58.2 63.1 62.4 60.3 62.5 60.3 58.4 59.0 59.3 59.8 59.9 67.1 60.1 23.3 F3.4 60.4 66.4 63.6 61.5 €2.2 62.4 61.2 62.1 62.3 52.5 62.6 62.6 70001 59.4 61.8 62.5 62.8 £3.4 63.5 6 3 . 7 63. t 63. F 63.9 64.7 64.5 64.1 14.1 60001 59.7 G E 62.2 62.9 63.3 63.9 £4. ù 64 - 1 64.2 64.2 44.4 64.5 64.5 14.6 GE 57001 61.5 65.3 65.4 64.3 66.1 5t. 3 66.5 66.4 66. 7 66.9 66. * 66.4 66.3 66.4 56.7 66.8 45001 62.9 67.2 68 . T 60.9 70.1 71.5 16.0 66.8 (8.1 60.2 68.4 63.6 48.5 64.4 6B. 7 60.5 .4.3 68 • 9 73.1 71.3 73.6 6.5 40001 63.6 35 UCT 64.4 67.6 68.2 69 • 1 70 • 1 69.2 70.3 69.5 72.6 69.7 69.1 13.9 69.4 73.1 71.3 70.1 69.6 12.1 30001 65.9 69.5 15.7 16.7 25001 67.9 72.2 73.1 73.8 15.2 75.5 75.9 75.2 78.7 76.4 76.4 79.5 19.8 82.5 76.5 76.5 76.5 77.3 19.9 19.8 82.6 28001 69.7 18001 70.0 15001 71.5 74.2 74.7 11.5 77.9 79.4 74.0 19.1 75.3 76 . 1 78.4 12.C 79.5 79.E 17.9 78.1 78 .€ 79.2 79.2 79.9 79. + 75 · E 76.6 7à.9 61.5 F3.5 86.5 85.6 81.2 G F 76.8 91.6 61.4 92.6 57.6 Sec. 7 85.1 ٥5... 1000| 73.9 900| 74.2 800| 74.4 42.4 33.1 9 J . 4 65.7 66.7 87.7 89.7 63.6 84.6 -1.3 84.3 89.4 99.2 89.6 87.6 89.8 9... 91.5 47.6 83.2 87.5 +9.9 29.7 68.2 89.1 \$1.7 7LOL 74.7 61.8 63.0 85.2 98.C 90.2 91.0 91.7 91.9 92.5 92.1 93.6 92.2 92.3 45.5 64.6 89. S 21.5 84.4 91.7 92. 93.1 94,9 95.3 44.6 45. FOC4 75.1 91.6 93.1 43. 1 94.4 95. 7 99.5 @ 2. b 94.9 A6.4 89.6 36.0 4061 75.1 3001 75.1 92.7 P2.7 85.3 96.5 96.7 96.7 90.9 96.4 96. 93.3 92.1 93.8 94.1 95.2 96.1 96.6 56.7 86.8 92.5 92.6 97.0 98... t. f 94.3 y4.7 36.7 97.1 71.7 2001 75.1 A 2 . 7 85.1 97.5 28.3 98.5 46.8 97.2 94.6 76.9 75.1 1001 75.1 99.2 49.6 100.0 "| 7r.1 u € 42.1 85.1 60. 90.8 42.7 94.7 ¥5.2 97.1 98.1 99.4 38.3 99.2 49.6 100.0 a6 • d *************************************

PERCENTAGE FREQUENCY OF OCCURRENCE OF CELLING VERSUS VISIBILITY FROM HOURLY OUSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PEP10D OF FECORD: 78-67 MONTH: APP HOURS(LST): 2020-0206 CEILING VISICILITY IN STATUTE MILES GE GE GE GE GE GE 3 2 1/4 ſεE IN I FEET I GE GE 2 GE GE 1 1/2 1 1/4 G (5 / 8 GE C 10 1/2 6/16 1/4 NO CEIL 1 65.7 66.U 66.6 66.7 66 • 7 £6.7 66.7 66.7 66.7 66.5 66.9 66.5 66.9 46.9 66.4 70.4 70.8 77.4 73.4 73.8 70.7 70.7 F 200001 69.4 70.4 73.4 70.4 76.7 71.5 69.8 70.3 70.7 10.7 70.7 71.C OF 160001 69.8 73.7 70 · H 76.6 70.8 70.1 70.8 73.8 71.0 71.0 71.0 71.0 6E 160001 69.8 6E 140001 70.0 71.0 11.2 73.1 72.7 70.8 70.8 79.8 70.8 70.8 71.0 71.0 71.C 71.0 73.3 79.9 71.C 71.0 71.0 71.2 71.0 71.0 71. C 71.3 74.1 74.1 74.3 74.3 74.3 14.3 GE 100G01 73.1 74.0 74.1 6 E 90001 73.6 80001 75.4 73.9 75.9 74.6 77.0 74.6 77.0 74.6 77.1 74.6 77.1 74.8 77.3 79.8 74.9 77.7 74.6 74.9 77.3 74.0 74.7 74.4 74 . 6 74.6 74.8 77.3 76 • 8 79 • £ 77.1 76.4 f. F 70001 77.4 78.3 79.9 79.4 79.4 79.6 79.6 79.6 79.8 79.4 79.8 79. 79.8 90.3 en.3 e C . 3 90.1 PO.3 80.3 ίE 60001 78.0 79.4 87.0 46. U 60.1 03.1 E . . 3 GF 50001 78.6 GE 45001 79.3 GE 43031 79.6 40.4 80.7 a j. 7 80.8 83.8 80.8 91.0 61.7 ·1.0 11.7 92.2 92.6 ۵1.3 ~ 1 • C = 1 . C 79.6 63.1 81.7 82.J 83.2 A2.0 82.3 82.3 P2.2 87.7 87.6 H2.7 42.2 42.6 F. . 6 63.8 81.1 81.3 81.9 P1.9 82.5 82.3 H2.2 H2.6 67.2 83.4 F2.2 83.7 R 3. 7 # 5 . P 35.aal 92.3 82.9 83.6 G E 30001 -1.6 85.1 85.1 35.1 05.3 R . . . A5.3 25.3 96.1 £ 4. 3 87.6 25.091 67.1 87.1 t. F 45.3 97.1 67.0 F 7. 1 67.3 c 7 . 3 P7.4 P 7 . F 57.6 = 7.6 r7.1 17.6 27001 84.4 19601 84.9 93.J 90.0 90.7 92.3 90.0 90.7 93.1 90.0 90.7 93.2 ωĖ 88.7 89.1 89.3 69.9 F 4. 4 P9.1 89.7 89.0 90.0 40.0 91.9 91.9 89.4 91.9 93.7 a 7.7 89.7 °L•€ 41•7 90.4 15001 86.2 91.3 42.5 0.7.5 69.2 91.6 92.1 42.3 93. 92.4 93.6 92. 7 43.6 15001 47.1 Gξ 92.9 +3.1 91,4 93.4 93.7 93.4 94.1 94.1 +4.3 54.3 24.3 10.2 92.1 y: . 6 94.1 74.3 94.7 94.4 95.1 46.7 950| 67.2 900| 67.4 93.3 95.6 92.3 93.4 93.2 93.6 93.8 94.5 95.3 •5.* 25.3 94.2 94.3 95.3 G.E 94.1 94.3 04.6 94.7 6, 1 94.3 94.9 7631 67.8 91.0 93.6 93.6 93.9 75.4 95.1 15.0 04.4 15.9 34.4 6031 67.6 u F 91.1 9 1.1 93.1 94.0 74. 3 95.0 95.6 15.3 75.6 95.5 96.0 Se.J 76.1 46.1 1501 67.F 91.2 9. 9 93.0 94.2 96.5 95.2 95.7 ₹6.7 96.3 93.2 96.1 96.1 46.4 96.4 y7.2 47.A 4001 87.8 91.7 93.6 95. 45.4 96.1 96.2 97.0 21.2 97.6 91.5 91. -46.7 300| 87.9 203| 57.8 94.6 95. t 95. 7 96.4 97.1 97.6 78. 98.2 98.6 98.5 98.9 91.7 9 7 . 9 95.1 99.6 9 . . 1 91.7 93.4 95.2 94.6 99.3 19.2 +9.2 i. F 1331 67.0 21.7 93.9 94.7 96.7 97.3 47.2 96.2 4.4 94.6 94.9 59.3 94.7 90.6 01 87.8 91.7 93.9 6.1 94.7 95.2 25. 7 96.7 91. 3 97.8 24.9 04.5 49.2 1.0.3

PERCENTAGE FREQUENCY OF OCCURPENCE OF CELLING VERSUS VISIBILITY FROM FOLFLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PERIOD OF RECOPD: 78-A7 MONTH: APR HOURS(EST): 0300-0500 174 NC CETE 1 63.9 64.7 64.8 65.1 65.4 65.4 65.4 65.6 6 - 6 65.4 65.4 65.4 65.4 65.6 55.4 A 5 . t EF 200601 66.1 67.3 67.7 67.7 67.7 67.7 t 7 . r 66.5 57.0 67.7 67.7 57.7 67.7 67.4 £ 7.8 67.8 67.4 67.9 UE 180001 66.2 67.0 67.1 67.4 67.8 67.8 67.F 67.8 67.9 67.8 67.7 67.9 £ 7.7 67.8 67.8 68.7 67.8 GE 160001 66.2 67.0 67.1 67.4 67.6 67.8 67.8 67.8 67.8 67.8 61.9 61.9 67.9 61. 6E 140601 66.2 6E 120001 67.1 67.1 67.8 67.8 67.R 6.7.9 67.0 67.4 61.8 67.6 67.6 67.9 67.4 4.7.5 f.a., 67.9 GE 180001 70.0 70.8 70.9 71.6 71.6 71.6 71.7 71.6 72.1 90001 70.4 72.2 74.2 6. 5 71.3 71.4 71.6 72.1 72.1 72.1 72.1 72.1 72.1 12.2 72.2 74.7 6E 80001 72.8 73.9 74.6 77.3 74.6 74.0 74.6 74.7 73.8 74.2 74.€ 74.6 74.6 74.6 77.3 70001 75.2 77.3 77.3 77.3 77.3 77.3 77.3 77.4 62401 76.8 79.0 79.1 G F 50201 79.2 79.8 80.5 8J.5 83.7 77.9 80.6 h 5. 6 BC.6 83.6 PD.6 AJ. 1 86.2 90.6 4500| 79.0 4060| 79.1 3500| 80.1 81.6 81.7 87.1 R1.6 F1.6 91.7 93.1 P 3. 6 80.5 61.6 61.6 81.6 41.7 51.7 41.7 81.2 81.6 A1.6 31.7 81.C 97.2 84.I 40.9 92.1 81.7 83.1 81.7 93.1 81.7 83.1 81.8 53.2 81.8 83.7 51.A H 1 . m 6 E 91.3 91.7 F2.6 30001 61.7 65. 95.3 45.1 P6.4 H9.4 P9.7 25001 82.8 06.4 08.4 86.4 88.4 86.4 89.4 85.2 35.7 86.4 86.4 86.4 86.4 36.6 96.6 F6.6 46.6 G F 20001 +4.1 26.7 27.1 49.7 F6.4 6A .4 87.2 86.4 A . . . 87.7 68.4 6 F 18.03 | 64.4 87.7 88.9 88.9 8 P . 9 99.9 88.9 98.9 8F.9 ن ۽ ٻه #9.0 90.₹ P8 • 1 22.1 90.2 93.3 89.0 89.8 87.9 F7. 7 89.9 90.3 92.3 9. . 4 17381 #7.0 9301 #7.7 9001 #7.3 90.7 91.7 92.1 93.1 93.6 93.2 92.2 92.7 12 E 13 E 94.6 94.1 94.4 94.4 94.6 94.6 94.6 25.3 93.7 93. B 93.8 91.2 92.3 93.2 54.1 94.3 94.6 94.6 91.6 73.6 7001 67.4 92.7 94.5 95.0 95.3 95.4 94.4 95.1 6001 87.6 91.7 92.8 96.1 94.9 96.1 96.7 .6.7 4 001 67.8 92.1 97.7 97. 47.5 +7.6 91.0 93.4 94 . 3 96.4 91.1 97.6 95.6 95.8 96.1 96.3 400| 97.8 300| 87.8 200| 87.8 93.8 91.8 93.9 5 E 72.4 94.8 96.3 96.6 97.0 97.0 97.4 47.6 99.2 90.6 34.6 98.8 46.A 98.8 98.4 98.9 72.4 72.4 94.8 97.8 98.2 99.8 98.8 99.0 64.U G.F 96.3 96.6 97.7 99.3 99.3 99.4 96.4 97.1 96.7 99.1 1001 67.8 G f 98.9 99.1 GE 01 87.8 92.4 93.9 94.9 46.4 96.7 97.1 98.1 94.9 97.3 99.5 99.7 24.1 49.7 100.0

PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VICIBILITY FROM HOURLY OBSERVATIONS

			-				T AFB N					MENTE		HOURS	GSTI:		
	LING	• • • • • •	• • • • • •	• • • • • • •		• • • • • • •	•••••			IN STATE			• • • • • • •	• • • • • •	• • • • • • •		• • • • • • • • • • • • • • • • • • • •
1 17	N I	ef ef	6 6	6 E 5	GF 4		6E 2 1/2	6 E	Gr 1 1/2	GE 1 1/4	e t	5.E 7/4	1, F 1, 7 H	9f 172	*/15	1/4	υ ε
	CEIL I		57,8	59.3	5გ•ა	58.9	· e • 9	5°.0	57.1	57.1	۴٧.1	50.2	Cr.Z	59.7	59.3	. 9, 1	
Ç.€ ü.€	200001 100001 140001	59.7 59.7	60.4 61.1 51.1	61.1 61.7 61.5 61.9	61.6 62.2 62.2	61.7 62.6 62.6 67.0	61. 9 62. 6 62. 6	62.7 62.7 62.7	62.9 62.9 62.9	62.7 62.7 62.7	62.9 62.9 62.9	67.7 67.7 67.7	12.3 13.9 13.0 13.0	62.4 62.1 63.1 63.1	63.1 63.1 63.1	6.7 + 4 6 3 + 1 6 1 + 1 5 1 + 1	7 3 4 4 7 3 4 1 7 7 4 1 7 7 4 1
<u>ن (</u>	120001	61.2	62.7	63.4	63.9	64.2	54.2	64.3	€4.6	04.6	14.6	£ 4 . 7	54.7	* 4 • *	* 4 . 4		14.5
6 f 6 f 6 f 6 f 6 f	100001 97301 67451 77301 67451	64.3 67.6 69.9	65.2 66.1 69.8 72.2 73.3	66.0 66.4 70.6 73.0 74.1	60.4 67.3 71.3 73.4 74.6	66.8 67.7 71.4 73.9 75.2	FE.B 67.B 71.E 74.C 75.1	66.9 68.0 71.8 74.2 75.3	67.1 68.2 72.5 74.4 75.6	67.1 68.2 72.0 74.4 75.6	F7+1 F8+2 72+0 74+4 75+6	6747 6843 1741 7446 7547	61.2 64.5 72.1 74.6 75.7	(7.3 E9.4 72.2 74.7 75.4	1.7.3 6 m. 4 7 4 7 7 4 . 7	, 1, 1 ; 5 . 4 ; 2 . 2 ; 4 . 7 ; 7 ! . H	7
5 € 6 € 6 € 6 €	5000 4500 4500 3500 3500	74.2 74.6 75.3	75.8 77.1 77.7 75.8 97.1	76.7 78.0 78.6 79.7 81.1	77.3 76.7 79.2 PU.4 F1.9	77.8 79.1 79.1 19.9 62.1	77.9 79.2 79.8 61.0	78.1 79.4 80.0 81.2 82.7	78.3 79.7 90.2 91.9	78.3 79.7 60.2 61.4	74.7 74.7 50.2 51.4 82.4	78 cu 70 ch H 7 c 7 H 1 c f H 7 c 7	76.4 79.8 83.1 81.6 87.)	78.6 79.9 47.4 81.7	7 m . n. 7 W . W 9 7 . W 9 1 . 7 9 5 . 1	7 m = 6 7 m = 6 7 m = 1 7 m 3 = 1	7 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -
6.5 6.5 6.5 6.5 6.5	2000 2000 2000 1500 1500	76.7 78.7 78.2 20.1	90.4 97.0 92.3 94.4 56.0	01.7 87.6 83.7 96.7	52.6 64.7 75.6 67.3 88.9	81.3 85.4 86.0 88.1 89.9	# 3. 1 44. 7 # 4. 4 2 m. 6 9 C. 3	67.3 85.9 86.4 86.4 88.8	83.6 84.1 86.7 89.3	53.6 HF.1 HG.7 HY.0 FU.H	az, r an. 1 an. 7 av. 0	87.7 84.8 84.8 87.4 21.7	67.7 46.2 86.8 83.4	48.4 48.3 88.7 89.8 91.7	2 8 5 0 5 H f 9 3 . 0 13 . 5	- 1 . 1 me, 1 me, 2 me, 4 me, 6 +1 . 7	- 7 . m 6 to . 7 mr . 4 fr . 6
0 F 0 E 0 F 0 F	PUC) 700 j	H1.8 H2.6 H2.6 H2.7	76.5 76.9 87.6 87.6 67.0	89.1 89.1 89.1 89.0 89.0	9937 96.3 91.2 91.4 91.7	47.4 91.4 92.6 92.6 93.0	11.6 11.9 13.1 13.1	91.4 97.1 93.4 93.4 94.7	71.7 72.5 93.7 93.7 94.5	41.8 44.0 44.7 44.7	61.4 62.6 94.0 94.1 95.1	9 1 . 1 9 1 . 1 9 4 . 1 9 4 . 1 9 5 . 1	97.1 21.1 94.6 94.7 25.6	42.6 91.6 95.7 45.1 46.0	9.1.6 9.1.6 99.3 1 96.3	+3.6 +3.6 +3.6 +3.6 +5.1	5-2-6-6 5-7-6-6 6-5-2 5-7-3-5 5-6-4
6.5 6.5 6.5	4001 3001 2001	87.0 83.6 87.5 83.6 87.6	5 3 4 6 5 4 4 2 5 7 4 2 6 7 4 2 6 7 4 2	90.7 91.7 91.7 91.7 91.7	93.6 93.6 93.6 93.6	94.3 95.1 95.7 95.8	+4+6 65+9 4-6+3 6-6+4 26+4	94.4 96.8 97.0 97.0	96.2 96.7 97.1 97.1 97.3	#1. # #1. 1 #1. 7 #1. 9 #1. 9	55.9 57.4 97.6 98.2 98.2	60°0 60°0 60°0 80°0	98.44 18.45 19.46 19.46 19.47	97.0 94.6 94.1 99.4 99.4	21.1 28.7 27.2 59.1 27.1	<pre></pre>	57.1 58.4 59.6 1.1.0 1.0.0
5 F		# 1. C	87.,	+1.7	93,6	95.4	% E 4	97.3	27. 4	9744	6 P	94.4	98.9	49.4	39.7		176.3

TOTAL NUMBER OF CHISERVALLOWS: 4.3

PERCENTAGE FRICUENCY OF OCCUPATION OF CREETING VEHICLS VEHICLED FROM HOURLY OBSERVATIONS

			•					T AFS NO					Monte	APL	980: 74-47 FSCPS-CST1: 0.07-11(0				
	L 1N6		• • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •		A 1, 1	FILITY		11. Mili	•••••• [5			• • • • • • •	• • • • • •		
l	. Ne		ા	CE	CE	υf	tit.	0.7	6€	131	ьE	6.€	7-2	17.1	51	54	5.3	,-4	
	ΕI										1 1/4						174	k,	
•	• • • • •	• • •	• • • • •	• • • • • •	• • • • • • •		• • • • • • •		• • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	
1	CETL	1	C . 7	19.4	59.4	54.4	50.4	٠,, 4	54.4	54.4	54.4	4	5 4		٠. ،	٠,,,,			
															•	-	-		
	52300			5.1.3	61.4	61.4	(1•€	5.1 . 7	61.	61.7	61.7	61. °	61.	11."			1.2.		
	1670			61.4	62.1	02.4	67.2	3	0.7 • 3	n. • 5	ا فائن	52.5	4.3 • 5	14		· · · '		1	
	16000			61.5	62.1	62.1	62.2	(2.3	£ .' • '	6.2 - 3	6	12.1			62.7	1 1	• `• `	P 7	
	14:51	n I	61.1	62.3	67.5	6.0	t ~ 7	1 4 4 5	6.7 eF	62.	67.4	12.0	90.7		4-7-1	. 1	• 1	1	
	15.00	21	62.1	7	61.4	63.7	. 4 . 1	44.6	64.7	£ 4	64	f 4	64	• • • •	4.4.1				
i	lana.	:1	64.1	65.7	65.9	65.9	66.1	46.2	66.	0,	64.3				25.0.4				
	9750			66.5	67.1	67.1	67.	17.4	57.4	17.4	6 . 4	4.7.4	1, 7 . 4	6.7.4			٠		
	800	~ i	40.4	73.4	72.4	74	12.1	1	70.6	7 =	17.4		j	7.1.	71.1	*1.1	1.1	,	
	700			7 7 4	77.7	72.7	12.	77.6	71.0	73.	73.0		, ,	1			. : • •		
	600			73.5	7 *	73	73.4	73.1	1	73.5	71	71.6	7						
-	0. 01	. 1			• • • •		1				•		. •	• .	•	•		•	
	5.7.0	01	72.6	74.6	14.9	74.5	75.1	** • 2	71 .:	7	15.2	"	7	7	75.4	*	7:		
٤	ان ≥يد	εl	73.2	15.0	75.e	75.	7	15.5	75.9	75	15.9	74 . 9	11.9	· · ·	16.5	*,	7.		
ŗ	47.31	e i	74.7	76. R	11.1	77.1	77.	77.4	17.4	11.4	77.4	77.4	77.4		17	• • • •			
	35 0	ĊĹ	75 . 1	27.2	77.7	77.7	77. +	76.1	70.0	7 4	79.) · · ·	1	14.1	, , ,			
ş	12.50	e i	76.7	74.7	19.2	79.4	79.4	24. 1	12.6	74.1	19.4	79.4	7.5					٠	
												•	•	•	•				
Į	21.03	o E	17.3	* 7. 7	90.t	#[] . 4	F 7 • 4	⊢ , , , , ⊊	8 C + 9	4 T.	d . • ?	8 7 · C	A	41.	51.7		- 1	- ;	
٢	2 2	31	79.6	n 2 - 1	6.2 · •	et.J	6	F 4. C	54.0	H 4	n4.^	84.	N4	44.1	44.7	4.1	-4.1	-4.1	
ŗ	16[.	ا ب	00.4	25.1	83.4	44.4	34 to 1	****	H 5	a	85 . S	4.4	H.C.	A .	~ ' • *	41.00	5		
ı	110	3 (H F	a 5, . u	46.	56 . H	11.4	- 7. 6	47.6	+ 7 . t	47.6	H.2. (A	4 7		2 - 1	1	*** 1	
ſ	170	o i	M4.2	6.7 _{0.86}	4 F . I	A 5	40.J	*6.1	47.1	• 1	y □ • 1	43.4		• • •	.1.	i •	•1•1		
ı	1.0	٦,	×4.1	4 7 . 1.	97.7	90.00	*1.*	.1.7	-1.7	91.7	.1.	4. • :		63.4				. , , .	
	-						* 1 * 1	, ,	72.1			9.5				74	V 4		
•				1.5	1.		43.7			14	* 4								
,			F1 . 1						14.4		74 74 . 4	91.	yr.L			26			
f			61.1	• 0 • 5	9.0								4.	91.	7	5.7			
	** 5	- 1	01.	*4.6	* + ' • fi	• • • •	, , , ,	.4. *	+5.43	1000	* C • 4	• *: • 1	***	77.		• • • •		•	
			94	2 1 + t-	13.4	14.4	95.4	44.4	96.1	75	11.4	+7.1	9	47.2	3 A 🚅	1 H		,	
f			KF. F	11.t.	4 7 . 4	54.4	45.0	• • • •	41.1	45.	40.45	97.4	47.4	47	9.4	49.4	'	4 H . I	
r	* 3.	31	F 6 . F	91.5	3 1 . 9	94.4	40,45	16.44	46.4	47.	+1.5	27.9	4 E . s,	54.7	99.1	7 / . 1	* S . 1	4 * . 4	
ſ	. 50	9 E	# 6. P	21.9	93.1	24.7	46.00		46.4	97.1	47.3	97.4	90.1	CA. 7	49.5	SW. C	99.3	4+.1	
ŗ	1 3	51	et.P	01.0	9 1.9	94.9	94.5	40,04	¥4. • P	91.0	÷7.	97.4	40.	44.5	99.4	9	****		
		2.1	55.F	11.4	91,9	54.7	46.1	4	91 0	s 1	11.5	91.4	19.7	94		3		11	
				- '			•	., •					•			,		• • • • •	

TOTAL NUMBER OF GROSEFVATIONS - SU-

STORAL CLIMATOLOGY RHANCH L'AFETAC ATR HEATHER SERVICE/MAC

PENCENTAGE FRENCENCY OF OCCURRENCE OF CFECIAL VIWSON VINTETETTY FROM HOURLY OUSERVATIONS

	STATION NUMBER: TITETE STATION NAME: MINOT AFR NO													FERTHER OF FIGURES THAN 1227-14.0						
C 11 126		• • • • • • •	• • • • • •				PILITY				• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	•••••					
19 1 66 FEST 1 10				,		51	65 1 17 3	1.174	11 t	1/4	5) *) =	,i 1/2		%€ 174	UI Ç					
NO CETE 1 54.2	1.4.4	55	15	55.4		55.7	65.7	s) € • H	· 5 • •	51.4	⁽⁻¹) • ·•	. G • 9			King of the					
0g 20000) 94-1 0E 180001 64-9 0E 161001 58-9 01 14001 59-2 0E 165031 50-1	56.7 59.4 59.4 59.5 51.5	53.7 59.7 59.7 60.0 61.6	64.4 57.4 64.7 61.6	59.3 59.1 59.1 59.4 50.4	5 7.3 5 (· 1 7 (· 1 6 (· 4 7 · · 5	59.6 67.3 67.3 67.7 67.7	54.6 51.3 63.7 52.2	59.7 60.4 61.4 61.4	66.7 67.4 67.4 89.6 12.3	50.0 50.0 50.0 50.0	69.4 62.6 62.6 62.4	54.4 52.4 63.6 67.4	1 + . 6 1 - 0 + 0 1 - 0 + 0 1 - 0 + 0 1 - 0 + 0	1/4 a m t () a t t m a f t () a v	5 y . 7 5 1 - 5 7 0 - 5 7 1 - 5 7 2 - 9					
05 10000 63.0 05 9000 64.2 05 81001 64.5 05 7000 61.5 06 6000 66.2	64+1 66+3 67+8 69+1 59+4	64.3 55.6 69.7 69.8	64.6 65.4 64.6 64.6 7.40	64.4 65.0 69.4 69.2 70.3	04+6 66+3 64+4 44+6 70+3	65.0 66.2 69.7 70.0 70.0	65.0 66.2 68.7 73.6 73.6	05.1 06.3 05.6 7.4.1 7.2.7	66.3 66.6 20.1	6	10.4 10.4 10.1	19.0 66.4 19.0 10.1	*	61.4 61.4 15 11.	6 1 4 4 6 4 4 4 7 4 4 4 1 4 4 5					
17 *0001 73.0 68 45031 70.7 55 40001 72.7 26 35001 74.8 66 35001 74.8	7 5 - 4 7 4 - 4 7 6 - 6 2 5 - 8	72.1 72.9 74.9 77.3 41.2	72.3 73.1 75.1 71.2	12.8 13.6 15.6 17.1 E2.2	7:00 7:00 7:00 7:00 7:00 7:00 8:00	77.0 75.8 75.8 77.9 77.9	71.5 71.6 75.6 77.9	73 - 1 77 77 7 1	75 74.7 75.1 76	77.4 74.7 75.7 7-4 8.7.6	14.3 16.7 16.7 16.4 63.4	74.4 74.7 76.7 78.4 57.4	13.4 14.6 14.8 14.8 14.8		1 (1 + 4) 1 + 4 + 5 2 + 4 + 5 2 + 4 + 4 3 + 4 + 6					
of 25001 F1.7 of 2501 F4.6 if 16001 F4.6 if 15001 F4.6	-6.7 -7.1 -6.8	нч.2 ят.1 нт.6 62.7 чС.6	74.8 87.8 88.2 89.4	на., на., на.,	* * * * * * * * * * * * * * * * * * *	#f.¢ #Ř.¢ #9.5 #7.7 #7.1	# 5. • 6 # # 6. • 6 # 6. • 7 * 5. • 4	я 1 . п н а _н а н 3 . п г 1 . п	24.4 64.4 44.4 21.4 21.4	#	** - 1 * ? * ? - 1 - *	46.1	6		7.1.4.4 5.4.7 7.4.5 7.4.5					
10 11008 h.c. 15 9001 h.c. 16 5001 h.c. 18 1001 h.c. 18 1001 h.c.	11.6 62.7 6.1 6.1	97.4 93.0 93.9 93.9 93.9	44 + 5 44 + 5 54 + 1 54 + 7 54 + 7	94 4 5 95 4 5 94 4 7 94 4 1	10 mm 10 mm	14.6 65.4 96.4 98.4 98.4	64.7 98.4 98.7 17.1 17.2	96.1 96.1 97.4 97.4	00.0 00.0 07.1 07.0 00.1	4	25.m +1.5 +1.m +1.m +1.m	25 . 4 +7 . 1 5 7 . + +4 . 7 2 4 . 4	7.1 7.1 7.4 7.4 7.4 7.4		 					
0 1001 46 0 4001 46 0 1001 40.9 0 1001 40.9 0 1001 40.9	92 93.2 93.2 94.2 94.4	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	94 45 45 45 45	76.4 96.6 96.1 96.1 96.1	+1 + 1 +1 + 1 +1 + 1 +1 + 1 +1 + 7	08.0 07.7 07.4 97.4 07.4	97., 97.7 97.8 97 97.5	47.6 48.7 48.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	64. 44.4 94.7 94.2 94.2	40.4 40.7 40.7 40.7	7 7 9 3 0 t 3 . 7 9 1		Service Service Service Service Service Service		50. 4 					

PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSES VICIFICITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PERIOD OF RECORD: 78-87
MONTH: APR HOURSTESTE: 1'C"-17CC *****,,,, CFILING 6 E 58 68 GE GE St ', E IN 1 GE FEET 1 10 7€ 65 1/2 5/1€ 3 2 1/2 5/-1/4 5.3.7 14.4 54.4 NO CETE 1 53.0 54.0 54.2 54.4 54.4 : 4. 4 54.4 ... 54.4 . 4 . 4 : 7.0 67.6 : 7.4 59.2 63.0 53.0 93.2 E)." 13.3 13.8 13.8 67.7 63.6 40.0 UE 200001 58.4 59.6 4 . 5 63.0 6 C . U 03.3 16.0 67.9 62.4 60.F 60.F 67.4 63.4 6F 180004 59.2 6F 160001 59.2 6F 140001 59.3 61.8 61.8 (1.9 60.0 60.3 63.3 63.4 6.1. 9 60.0 5 J . n 60.4 60.4 67.0 6t 14000) (2.3 6t 12000) 59.6 60.1 60.3 60.4 60.1 67.7 6.1.9 60.2 10.3 63.1 60.9 11.0 64.2 64.6 14.1 SE 100001 62.7 39401 61.7 40001 66.7 70001 67.1 60001 64.0 65.0 69.6 77.4 65.6 68.6 65.6 15.6 . . . 54.7 65 ... 65.6 65,6 64.5 4. 5. . . 4,1 * 5 . 6 5 F 14.7 13.1 17.4 66.1 64.6 59.5 € 7.4 67.4 ::: 58.3 17.4 69.4 69.6 1 7 . 1 77.4 69.2 69.4 73. 4 71.0 70.4 73.4 50601 75.3 -1.7 72.1 12.3 72.9 16.4 7.3.4 •3... ,,, , L. 11. ٠,., 73. . 13.0 o t 74 (74 7 93 4 74 · 6 74 · 3 • 1 · -45001 71.8 73.1 73.7 74.1 74.5 74.4 G.F 74,4 74.4 74.4 74.€ 74.4 4001 75.3 35001 77.1 77.1 17.1 77.4 18.4 +2.1 75.4 no.7 79.4 80.7 7# • 6 #] • F 14.6 AC.8 76.A H1. 74. 29.9 -1.1 ٠... 43.3 25501 85.6 A 6. 5 ٿ، ≥ ق 89.2 44.4 ٠,,, H7.9 43.5 42.1 13.7 12.1 12.1 20.1 22.2 92.8 47.17 43.1 97. -2.1 .j.: ٠.,٠ • . • . 2000| F7.1 18.0| F7.4 15.0| F8.0 92.0 7, 14 5 7, 0 7 1, 0 5 1, 1 93.. 93.6 41.0 .1.0 42.40 42.46 * 2 . 4 . 4 . 3 . 5 . 2 . 6 . 7 → £ *... · . . . 42.6 ٥٠.٥ 91.0 4... +2.1 91.4 ¥4.1 44.1 34.7 11.4 24.6 44... 14. . 12.7 + 3 .4 24.1 د . بوء 94.1 1000) 89.1 900) 89.7 800) 80.7 . 3. 2 44.2 54.8 Se . 1 44.4 44. 99.4 95.1 94 . 7 . 7 . 2 + 3 . + 41, 1 *11.4 95.4 40.00 97.3 11.4 ...9 - . 1 +1.7 +7.4 +1.1 93.6 16.4 $\leq w_{-q-r_p}$ 1. 6 24.7 41. 1 16.6 11.0 91.1 47.7 44.1 4 . 2 96.9 41.4 .4. 7 7. - 7 . . 44.4 • • • . . . 1 100| 49.7 400| 60.5 500| 60.5 97.1 41.7 90.5 9 1. . 44.4 64. . 6 4000 47.4 47.7 94.7 44. 1 · • • . 97... 97... 97... - 3 - b - 3 - b 7 / 1 0 0 . . 0 0 . . 20.0 22.5 94.4 . 1. 3 92.6 47.4 .1.3 94.4 94.1 , 4 . h ,,,, 48.0 48.0 , 3 . u 97.4 97.4 46.6 9.3 ... 94.6 41, . . 47.4 98.1 4 . . 5 47.4 40.0 43.4 49.1 .,,4 44. 1 Allen 98.1

TOTAL NUMBER OF UNSERVATIONS

PENCENTAGE TREQUENCY OF OCCURRENCE OF CITEING VIRSUS VICIPILITY FROM FOURLY OBSERVATIONS

							1 AF3 NC					HORTH	194		st that		
	IL I'vo	• • • • •	• • • • • •	• • • • • • •	• • • • • • •		•••••			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •
ŗ	IN I	10	() F t		ul u			5 E	6° 4 17 €	0t 1 1/4	u f I	'-t '74	G₹ 578	5t 177	.sf 1715	5E 174	
N, P	י כנזנ די	4.6	* 6 • £	56.7	36 • ¥	57	51.2	5.3	57. e	97.4	* 7 * 0	4, *	(7.6	5.7.4	17.7	. * . #	17.4
G E G F G F	200001 6 100001 6 100001 9 100001 9 100001	3.4 3.4 7.4	52.6 64.3 64.6 65.0 53.9	62.4 64.4 64.7 66.1	61.1 64.7 64.9 65.1 66.3	63.4 65.1 65.2 65.2 65.7	63.4 65.5 64.2 65.7 65.7	67.6 65.1 65.7 65.6 66.8	63.5 65.6 66.0 61.0	64.4 65.7 65.6 66.7 67.0	63.4 65.4 65.6 66.0 67.7	6 * 4 * 6 * 6 * 6 * 6 * 6 * 6 * 6 * 6 *	63.6 65.5 65.6 65.0	* 4. * % 6. * * 4. *	63., 15.4 15.7 15.1		1 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
, t ; r ; t ; t	Andd L 7000 1	71.1	10+4 11+6 11+6 12+6	67.1 67.7 71.1 72.4 73.8	57.5 50.4 71.4 77.4 74.1	67.7 64.3 71.4 73.4 74.6	67.7 F=.3 F:.E 77.E 74.6	(7.8 EP.4 71.9 77.7	65. 7 72. 1 73. 1	77 - 7 57 - 7 77 - 7 74 - 7	64.7 77.1 73.6 74.4	6 ° ° ° 1 ' 1 ' 1 ' 7 ' ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	12.1	6 M • 7 7 7 • 1 7 7 • 4		7 4 . 1 7 4 . 1	
0 f 5 f 7 f 6 f	45001 1 47001 1 31.71 6	7+ . 1 7* . +	76.4 77.9 HJ.A 12.4 -5.8	7	76.4 76.5 -1.6 -1.5 -1.7	77.1 75.5 62.2 60.5 87.6	71.3 7n.8 7.1 44.1 47.6	17.4 78.7 67.1 84.1 87.7	17.7 7.1 22.7 44.4	77.1	77.7 79.1 47.4 44.7 98.	77.1 87.1 87.1	1	7.1 7.1 -2.5 -3.7	* 7 . m * * * * * * * * * * * * *	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	111, 4 114, 4 14, 1 14, 4
, f , f , i	27071 = 18.01 = 14.71 =	. 7. 7 : 7. h	* A . \$ * * * 1	40.7 41.0 +1.4 *. •	40.1 41.8 42 41.4 45.4	971.4 47.7 48.4 48.4 48.4	Power Park Power Power President	91.	+3.4 +2.4 +1.4 5.4 +2.4	*; * u * * . u * * . *	41.7 91.7 94.1 94.1 95.7	91.1 91.1 94.1 96.1	· ; · ; · ; · ; · ; · ; · ; · ; · ; · ;	.1.		1. · · · · · · · · · · · · · · · · · · ·	12 4 4 1 4 4 1 4 4 1 4 6 1 7 6 1 7 8 7
	7.001 F 7.001 F	. H . '	11.7 11.4 11.4 1.4 1.4	2 5 6 9 7 6 9 8 6 9 8 6 7	0000 0000 0000 0000 0000		66.4 -5.1 -5.7 -5.9	** * * * * * * * * * * * * * * * * * *	40	** . 7 ** . * ** . *	60.00 60.00 60.00 60.00 60.00 60.00		15.4 15.4 15.4 17.4 17.4	17 . W 17 . W 17 . W 17 . W			**************************************
. ! i. f i ! i !	4001 A 1001 A 1001 A 1001 A	. A . A 	* .4 %2.2 %2.2 **** ****	2 7 . 7 w 7 . 44 w 7 . 44 w 7 . 44 w 7 . 44 y 7 . 44	24 . 8 24 . 8 24 . 5 24 . 5 24 . 5	14 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4	0 + . 2 0 + . 4 0 + . 5 0 + . 5 0 + . 3	46 . F	. /. ² . 7 . 7 . 1 . 1	# * * * * * * * * * * * * * * * * * * *	77. 4 0 H , H 0 H , F 2 H , E 0 H , E	**************************************	- M . 4 - M . 4 1 1 1		19.4 19.1 19.2 19.3 19.3 19.3		7.1 7.4.1 9.4.1

TOTAL NUMBER OF FOUND WATENAME.

PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM FOURLY $\theta_{0} s_{\xi} \, \text{RVATIONS}$

											MONTH		• • • • • •	(LST):	• • • • • • •	•••••
EILING									IN STATE							
	(,t	GE.	GE	6F	G E	GE .	ΘE	ü€	GE	GF	64	GE	Sł	£ر:	61	O.
	7.0	ŧ.	٤,			2 1/2		1 1/2		1	7/4	5/9	1/2	1/15	1/4	٤
• • • • • • • • •	• • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	•••••	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •		• • • • • •	• • • • • • •	• • • • • •
CETLI	A. L B	. 4,5, 1	65.4	65 • 7	16.3	56.1	66.2	66.2	66.2	66.2	66.3	65.2	55.2	46.3	55.3	4.
o ceire i	0.4.		0 - 4	65 • 1	10.0		0.0.42	00.1	00.	60.1	0•	05 12	20 • 5	-0.4	, 0	/ (<u>.</u> .'
E Zonubli	LP. ?	69.1	69.2	64.4	69.5	66.5	70.0	73.0	15.7	7C.E	10.7	73.0	13.5	7	٠٠	71.5
190001	60.4	69.2	60.3	69.6	69.9	7(.0	77.1	75.1	12.1	70.1	70.1	73.1	73.1	70.1	77.1	
F 160001	f 2 . f	67.3	59.4	1.9.7	77.0	70.1	70.2	70	73.2	70.2	10.7	70.0	12.2	13.2	25.2	
E 140.51	69.6	6 7.3	67.4	69.7	10.0	76.1	12.2	79.2	73.2	10.2	70.0	73.0	73.2	7	2.2	٠
r wandi k	69.3	70.1	70.2	70.5	77.7	71.0	71.1	71.1	71 - 1	71.1	71.1	71.1	11.1	71.1	71.1	71.1
			_													
E lan⊍al		71.3	71.4	71.4	72.1	7 2	15.3	72.3	1: - 1	7.7 • 2	70.3	17.1	77.43	*2.3	17.4	77.3
90.001		12.2	12.3	12.1	73.6	7.54.2	77.2	73.2	71.2	*3	77.2	73.7	75.2	73.2	7.4.2	73.2
e arost		74.9	7500	75. • 4	76.0	76.1	76.2	75.2	76.2	76	76.7		76.2	7 t	16.0	76.02
71 431		76. ♥	77.0	27.4	78.0	*e+1	79.2	7 1	13.7	78	7	7 7	74.2	" " •	1	7744
erbal	76.4	77.4	77.E	7A . u	75.5	70.7	70.8	75.5	78.5	78 • 9	75.2	* P • n	79.5	77.7	7 8	10.0
s secon	70.0	79.3	79.1	79.6	69.2	47.3	87.4	÷ J. 4	63.4	e) . 4	8 4	80.4	× 2 • 4	07.4	- " - 4	
45001		9 0 • E	53.7	-1.1	81.9	60	07.1	87.1	62.1	02.1	87.1	92.1	-7.1		52.1	4.1
41631		91.4	51.6	97.0	62.5	4, 4	51.0	A 3:	63.3	83.L	6 1 . 1	83.C	53.7	ز.زه	41.0	#3.0
11.71		- 5.4	r * . t	44.0	+4. +	-4.4	46.0	# 5 · C	44.0	65.0	gi.n	44.0	6.0	89.3	A 6	44.3
າ ສາວິດໄ	e3.#	A 5 + 1	86.2	-6.7	k7.6	-7.7	67.8	#1. H	n 7 . 4	P7.+	5 7 . 4	47.0	57.4	47.5	A 7 . S	67.5
F Ziuni		94.3	00.7	59 • I	٠.٠ ت	90.1	83.	93.7	90.2	92.7	97.7	30.5	33.5	97.42	40.42	19.43
1,7071		# · • 6		12.7	91.		42.43	93.5	13.0	35 • 5	Y	3.2	12.2	4.	* 7 • 2	9.7.4.7
16.01		9.0+3	~ 1 · 1	-1.0	12.	3	7 . 1	3 • 1	v 3 + 1	01.1	61.1	93.1	+3 + 1	• 3 • 1	• 1	• 3 • 1
1930) 1330)			91.3	91.5	94.1	- 1	93.8 94.4	93.3	17.	21.3	97.7	93.5	51.1	73.3	93.3	43.3 64.8
* 1	- • -	-1.5	42.1	42.7	74.1	.4	94.4	,4.4	74.4	74.7	44."	-4	14.9	94.8	44.5	.4.8
i inani	1	21.4	23.1	51.	. 4 . 7	44.F	41.5	95.0	46.	55.3	91.4	55.4	59.4	25.4	şr.,4	ç c , 4
4.01	60.1	11.7	9 1 . 1	43.1	45.3		45.7	95.1	46. 7	46.6	94.1	26.1	15.1	20.1	46.1	66.1
F 4401	62.1	71.6	91.2	41.4	45.0	45.7	45.9	45.4	46.3	96.	46.3	54, 1	96.4	₹6.4	46.4	40.4
1001		20.1	37.7	44	95.00	~c • 1	91.3	46.1	16.4	96.6	91.0	96.7	97.7	27.0	+7.C	\$7.C
r (ani	, n ,	*	23.4	94.4	41.00	4	26.7	96.7	+6.8	97.2	97.7	97.3	.7.4	27.4	47.4	97.4
r rual	ee. 7	12.2	91.6	.4.4	94.3	vt. 6	,6.9	97.1	¥7.3	97.7	97.8	97.5	47.3	27.9	97.9	97.
4 4 6 0 1		72.3	14	74.0		56.6	9 1	97.6	77.7	98.1	96	98.3	79.4	98.4	9 P . 4	98.4
1001		.2.3) 4 . D	94.6	44.7	97.5	97.6	46.1	, 0	3A.G	12.1	9.1	93	29.2	44.2	99.
2001		22.3	94.0	94.6	5 6 . 7	47. L	91.6	70 98.1	96.2	04.4	93	99.	49.3	79.4	99.4	
r ioni		97.3	24	74.6	76.1	47.5	y 7 . e	98.1	4 H . 7	99.9		93.3	99.6	24.7	99.7	99.7
			• .								• •			- '		

PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VIUIFILITY FROM HOURLY OBSERVATIONS

											HCATH			11511:	VFT	
EILING	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	•	•••••			IN STATE			• • • • • • •			• • • • • • •	• • • • • •
	GE	GE	GE	GE	GE	ĿΕ	GE	GΕ	GE	GE	U.E	GF	GŁ	GE	GE	GΕ
FEET I	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	1116	1/4	c
															••••	
C CEIL I	59.€	59.8	60.0	60.3	69.4	60.5	6C.5	50.6	60.6	50.6	67.6	60.7	63.7	€3.7	60.7	62.7
E 200001		63.5	63.5	54 . U	64.3	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.6	64.6	64.6	64.6
E 18000	63.3	64.1	54.4	64.7	64.9	64.9	65.0	65.C	65.1	65.1	65.1	65.1	65.2	65.2	65.2	€5.2
E 160001	63.3	64.2	64.5	64.7	64.9	65.0	65 • D	65.1	65.1	65 • 1	65.2	65.2	65.2	65.2	55.3	65.3
E 140001	63.5	64.4	64.7	64.9	65.1	55.2	65.2	55.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4
E 12560	64.4	65.4	65.7	65.9	66.2	66.2	66.3	66.3	56.3	66.4	65.4	66.4	66.5	66.5	66.5	66.5
E 10000		67.6	67.9	66.2	68.5	68.5	68.6	68.6	6 € €	68.7	65.7	69.7	69.3	68.5	₽ . 6	68.5
	67.4	68.5	68.9	69.1	69.3	69.4	69.4	69.5	69.5	69.5	63.6	69.6	69.6	69.7	69.7	69.7
	70.1	71.3	71.7	72 . ü	72.3	72.3	72.4	72.5	72.5	72.6	72.6	72.6	72.7	72.7	72.7	72.7
	71.5	73.3	73.7	73.9	74.3	74.3	74.4	74.5	74.5	74.5	74.6	74.6	74.7	74.7	74.7	74.7
E 6000	72.7	74.1	74.5	74 . 8	75 • 2	75.2	75.3	75.4	75.4	75.4	75.5	75.5	75.5	75.5	7°.6	75.€
£ 500	74.4	76.1	76.4	76 . 8	77.2	77.2	77.3	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.6	77.0
	75.5	77.2	17.6	77.9	78.4	7E.4	78.5	7ä.6	78.6	78 . 6	79.7	78.7	78.8	78.8	79.9	75.5
	76.8	78.8	79.2	79.5	80.J	86.0	60.1	83.2	8C • 2	FD . 3	80.4	80.4	83.5	93.5	Ar S	HD.5
	75.1	P 3 - 3	83.7	91.1	81.6	01.6	81.7	81.8	81.9	81.9	87.0	P 2 • 3	82.0	72.1	82.1	٠.١
	60.5	82.9	83.4	93.5	84.4	24.4	84.5	84.6	84.7	84.7	84.9	£4.H	84.9	P4.9	84.9	£ 4 . 5
. ,			0 3 • •	,,,,,				.,								
80 25 B	P2.4	95.0	85.6	86 • 1	86.€	86.7	86.8	86.9	87.0	97.6	87.1	s 7 . 1	87.2	c7.2	67.2	+1.2
E 2000	64.0	46.8	87.7	88.3	69.5	99.1	89.2	89.3	89.4	ho r	89.5	89.5	89.6	69.6	69.6	89.6
E 1800	54.4	97.4	88.3	98.9	87.6	59.7	87.9	90.0	97.0	90.1	90.7	90.2	40.3	≎].3	97.3	90.3
F 1500	85.6	5.7	89.6	90 • 3	91.C	91.1	91.3	91.4	91.5	91.7	91.9	21.8	91.9	91,9	91.9	91.9
E 1200	86.4	9.6	90.9	91.6	92.5	92.6	92.8	93.0	93.C	93.3	93.6	93.6	93.7	93.7	93.7	¢ 5. 7
	F6.9	93.5	91.7	92.5	93.5	93.6	93.8	94.0	94.0	94.4	94.6	94.7	94.8	94.8	94.5	94.9
	57.1	97.4	92.2	93.0	94.1	94.2	94.5	94.7	94.8	95.1	95.5	95.5	95.7	95.7	95.7	95∙€
	67.4	91.2	92.6	53.4	94.5	94.7	95.1	95.3	95.4	95 • B	96.1	96.2	95.4	96.4	96.4	96.5
	87.5	91.4	92.9	93.8	95.0	95.2	95.6	95 • 8	95.5	96.3	96.7	96.7	96.9	27.5	97.3	97.1
€ 600	87.6	91.5	93.0	94.3	95.2	95.5	95.8	76.1	95.3	96.7	97.1	97.2	97.4	97.4	97.4	47.5
5 500	£7.7	91.8	93.3	94.3	95.6	95.8	96.2	96.5	96.8	97.	47.6	27.7	97.3	97.9	99.0	98.0
	67.8	92.C	93.6	94.6	96.1	96.3	76.8	97.2	97.4	97.4	99.3	98.4	99.6	96.7	98.7	96.8
	87.8	72.1	93.7	94 • 7	96.3	76.5	97.1	97.6	97.8	98.4	94.8	98.9	99.1	39.2	99.3	99.4
	87.8	92.1	93.7	94 . 7	96.3	96.6	97.1	97.7	97.9	98.5	99.0	99.0	99.3	99.4	39.5	99.6
	67.8	92.1	93.7	94 . 7	96.3	20.6	97.1	97.7	97.0	98.5	99.3	39.1	99.4	99.5	99.6	99.8
		•	,				• ••		•	,,,,				. *	•	
E a	67.8	92.1	93.7	94 • 7	96.3	96.6	97.1	97.7	97.9	98.5	99.7	99.1	99.4	99.5	99.6	100.0

PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER:									MONTH	: MAY		(651):		
CEILING	• • • • • • • • •	• • • • • • • • •		• • • • • • • •			IN STATE				• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •
IN GE FEET 10	GE 6	5		5 1/ 5 6E	6 E. 2	GE 1 1/2	GE 1 1/4	GE 1	Ω£ 3/4	6∤ 578	Ģ€ 1/2	6F °/16	SE 174	GE C
NO CETL 64.8			.4 65.4	65.4	65.4	65.4	65.4	65.4	65.4	65,4	65.4	65.4	65.4	65.4
65 200001 68.4 65 180001 68.6	68.7	69.0 69	.9 68.9 .1 69.1	68.9 69.1	63.9	68.9 69.1	69.1	69.9	68.9 69.1	68.9	69.1	58.9 69.1	69.1	60.4 69.1
GE 14000 68.6 GE 14000 68.7 GE 12000 70.1	68.6	69.1 69	69.1 69.2 675.6	69•1 69•2 70•6	69.1 69.2 75.6	69.1 69.2 70.6	69.1 69.2 70.6	69.1 69.2 70.6	69.2 70.6	69.1 69.2 70.6	69.1 69.2 73.6	69.1 69.2 70.6	69.1 69.7 70.6	69.1 69.2 75.6
6F 100001 73.0 GE 96001 73.4	73.5	13.9 74	.5 73.5 .0 74.6	73.5 74.6	73.5 74.0	73.5 74.u	73.5 74.0	73.5 74.0	73.5 74.0	73.5	/3.5 74.0	73.5 74.0	77.5 74.0	73.5 74.0
GE 8000 76.2 GE 7000 78.1 GE 6000 79.1	78.4	78.7 78	.3 77.3 .5 78.8 .9 79.9	77•0 78.8 79•9	77.0 78.8 79.9	77.G 78.8 79.9	77.0 78.8 79.9	77.5 78.8 79.9	77.0 78.8 75.9	77.9 78.8 79.9	77.0 73.8 79.9	77.g 76.8 79.9	77.0 78.8 79.9	77.0 78.8 79.9
65 57001 81.9 65 45001 84.0	84.8	85.2 85	.9 82.9 .4 85.4	P2.9 95.4	82.9 85.4	82.9 85.4	82.9 65.4	92.9 95.4	87.9 85.4	82.9 85.4	82.9 65.4	92,9 85.4	82.9 85.4	я2.9 Я5.ц
65 40001 84.4 65 35001 85.5 66 30001 86.9	10.5	66.6 8	.8 85.8 '.0 67.0 .6 88.6	85•8 57•0 88•6	85 • 8 87 • 0 88 • 6	85•8 87•0 88•6	85.0 87.3 88.6	85.8 87.0 88.6	85.8 87.0 88.6	97.0 97.0 98.6	85.8 87.9 88.6	65-A 87.5 88.6	65.8 57.0 89.6	45.6 47.6 88.6
6E 2500! 87.4 GE 2000! 88.1 GE 1800! 89.4	89.2	89.7 90	0.4 89.4 0.2 90.4 0.5 90.8	89•4 93•4 93•8	89.4 90.4 90.8	59.4 90.4 9J.8	89.4 90.4 90.8	89.4 90.4 90.8	89.4 90.4 97.8	69.4 40.4 90.8	57.4 93.4 93.8	РУ.4 93.4 90.8	69.4 93.4 90.8	£ ५.4 9 0.4 9 0.8
6E 1500 89.8 6E 1200 90.2	91.3	91.8 9	92.8 .2 93.4	94.8 93.4	92.9	92.8 93.4	92.8 93.4	92.8	92.8 93.4	92.8	92.8 93.4	92.3	92.8	92.8
6E 1000 90.8 6E 900 91.1 6E 800 91.2	92.6	93.4 94	.5 94.1 .3 94.5	94.1 94.5 94.7	94.7 94.7 94.9	94.3 94.7 94.9	94.3 94.7 94.9	94.3 94.7 94.9	94.3 94.7 94.9	94.3	94.3 94.7 94.9	94.3 94.7	94.3 94.7 94.9	04.3 04.7 04.9
GE 700 91.4 GE 600 91.7			.6 95.3	95.1 95.9	95.3 96.2	95.3	95.3 96.2	95.3	95.3 96.2	95.3 96.2	95.3 96.2	95.3	95.3 96.2	95.3 96.2
65 500 91.7 65 400 92.0 65 300 92.0	94.4 94.4	95.7 96 95.9 9	96.2 99 97.2 1.1 97.5	46.3 97.3 47.6	96 • 7 97 • 8 98 • 3	96.7 93.3 98.4	96.7 98.2 98.6	96.7 98.2 98.6	96.7 98.2 98.6	96.7 98.2 98.6	96.7 98.2 98.6	96.7 98.2 98.6	96.7 98.2 99.6	96.7 98.2 98.5
SE 1991 92.0			97.6 97.7	97•7 97•8	98.4 98.6	98.6 98.5	98∙8 99•D	98.9 99.5	99.1	99.9	99.2 100.g	99.Z 100.0	99.2 102.0	99.2 100.0
GE 01 92.C			.2 97.1	97.8	98.6	98.8	99.7	99.5	99.9		100.3			

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIPILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675	STATION NAME:	MINOT AFS NO	PERIOD OF PECORD: 78-87

												MONTH	: MAY	+OURS	(LSTI:	0300-05	Cù
CEI	LING	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •				IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • •
	N I	GΕ	GF	GE	GE	GE	GE	G F	GE	GE	GE	ιĒ	üΕ	30	ĢΕ	GE	GE
FE	E 1 13.	1 ^	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/4	5/0	1/2	116	1/4	υ
• • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •
N C	CEIL i	61.0	51.0	51.3	61.5	61.8	61.8	61.9	61.8	61.9	61.8	61.0	61.8	51.ª	f. 1 • 8	£1.F	€1.5
G E	200001	64.4	64.4	54.0	65 • 1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5
ьE	180001	64.6	64.6	65.1	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7
	160001		64.6	65.1	65.3	65.6	65.6	65.6	65.6	05.6	65.6	65.6	65.6	65.6	65.6	65.6	€5.7
	14000		65.2	65.6	65.8	66.1	66.1	66.1	66.1	65.1	66 • 1	66.1	66.1	66.1	66.1	66.1	66.2
C E	150001	66.2	56.2	66.7	66.9	67.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	57.2	67.2	67.3
GE	100001	69.1	69.1	69.6	69.8	70.1	70.1	70.1	70.1	73.1	70.1	79.1	70.1	70.1	70.1	70.1	70.2
GE	90001	70.6	73.6	71.1	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7
GΕ	80001	74.9	74.9	75.4	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.0
GΕ	70001	77.3	77.3	77.7	78.3	78.3	76.3	79.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	7 R . 3	76.4
GΕ	9C CO!	78.C	78.0	78.4	78 • 6	78.9	78.9	78.9	78.9	79.9	78.9	7 R . 9	78.9	78.9	78.9	79.9	79.0
GΕ	50001	80.1	90.1	8 D . S	80.B	81.1	81.1	81.1	91.1	81.1	81.1	81.1	61.1	81-1	91.1	51:1	61.2
6 F	45 501	82.4	82.4	82.8	83.1	83.4	93.4	83.4	85.4	83.4	85.4	87.4	R3.4	83.4	93.4	63.4	A 3 • 5
GF	40001	62.€	83.0	83.5	83.9	84.2	64.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	04.2	64.2	P4.3
υE	35001	63.7	93.7	84.4	84.7	85.1	85.1	a5.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2
G E	30001	05.1	P 5 • 3	85.8	86.2	86.6	86.6	86.6	86.7	86.7	86.7	8 S . 7	86.7	86.7	96.7	84.7	€6.8
G E	25.001	85.5	A5.8	86.5	87.0	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	97.4	87.4	87.5
úΕ	2000		87.C	87.6	88.2	b8⋅5	58.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	28.6	88.6	88.7
ÚΕ	18001		87.2	88.0	88.5	68.8	88.8	89.8	88.9	88.9	98.9	80.9	88.9	88.9	98.9	58.9	89.U
σĒ	15001		89.1	89.9	90.4	90.8	90.6	90 .A	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0
GE	12001	88.9	99.8	90.5	91.1	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.6
GΕ	10001	89.6	90.5	91.4	91.9	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5
υE		99.1	91.2	92.0	92.6	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.D	93.1
űΕ	8001	92.3	91.4	92.4	92.9	93.2	93.2	9 3 . 2	93.3	93.3	93.3	97.3	93.3	93.3	93.3	93.3	93.4
3 F	7001	90.4	91.5	92.5	93.3	93.7	93.7	93.7	93.6	93.3	93.8	9 T . R	93.8	93.8	93.8	93.8	93.9
GΕ	6001	93.B	92.0	93.3	94.2	94.6	44.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8
GΕ	5 00 1	90.9	92.7	94.	94.8	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6
G F		91.1	93.3	94.3	95 • 7	96.5	96.5	96.7	96.8	96.8	96 . B	96.3	96.8	96.8	96.8	96.8	96.9
GÈ		91.4	94.0	95.6	96.5	97.3	97.3	97.5	97.6	77.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7
GΕ	2001	91.4	94.5	95.7	96 • 8	97.6	97.6	98.2	98.3	98.4	98.4	90.5	98.5	98.6	98.6	99.6	96.7
G E	1001	91.4	94.0	95.7	96.8	97.6	97.6	98.3	98.5	98.7	99.0	99.1	99.1	99.4	99.4	99.5	99.8
GΕ	21	91.4	94.0	95.7	96.8	97.6	97.6	98.3	98.5	98.7	99.0	99.1	99.1	99.4	99.4	99.5	100.0
				•	•						•		-	-			

PERCENTAGE FREWDENCY OF OCCURRENCE OF CRILING VEHSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE ND

PEP10D OF RECOPD: 78-87 MONTH: MAY HOUPS(LST): 0600-0830 CEILING VISIBILITY IN STATUTE MILES

GE GE GE GE GE
2 1 1/2 1 1/4 1 3/4 GE GE GE 4 3 2 1/2 IN | GE FEET | In GE 5 116 1/2 ь 5/8 NO CEIL | 57. F 59.0 60.0 6L.0 60.c 60.1 58.3 59.0 60.0 60.0 50.C 6J.1 60.1 63.1 6E 200001 61.1 61.8 62.6 63.5 63.5 63.5 63.5 63.7 63.7 63.5 63.5 63.7 63.7 63.7 63.7 61.9 62.7 67.8 63.8 GE 180001 61.1 63.2 63.7 63.7 63.7 63.7 63.7 63.8 63.9 63.8 £ 3 . H 6E 160001 61.1 6E 147001 61.3 62.7 63.2 63.7 63.8 64.U 61.7 63.7 61.7 63.7 n 3 - 7 63.7 67.9 63.8 43.A 63.8 £ 3. F 62.2 63.9 63.9 63.9 65.9 55.4 64.9 64.7 64.3 64.3 64.0 GE 120001 62.1 62.9 63.7 64.2 64.6 64.6 64.7 64.7 64 . 6 67.7 6.F 100001 65.1 66.€ 66.9 67.3 67.7 67.7 67,7 67.7 67.7 67.8 67.8 67.9 67.6 67.8 67.8 69.8 9000| 67.1 69.8 69.8 69.8 73.7 69.9 73.8 69.9 73.8 G E 68.1 68.8 69.4 69.8 69.9 69.9 69.9 64.4 80001 70.6 70001 73.2 73.7 73.7 73.7 71.7 72.7 73.2 73.7 73.8 73.8 73.8 GE 74.3 76.2 76 .2 76.2 76.2 76.2 76.3 76.3 76.3 ACCO! 73.4 76.5 76.7 76.5 76.5 76.5 76.5 76.5 76.6 76.6 76.6 76.6 76.6 76.5 77._C 79.1 50.3 50001 75.8 79.1 78.7 79.1 79.1 79.1 79.1 79.1 79.2 79.2 GΕ 79.2 80.4 79.2 79.2 79.2 4500| 76.6 4000| 77.0 3500| 77.8 GΕ 77.7 79.0 74.8 87.3 80.3 80.3 89.3 96.3 80.4 80.4 90.4 60.4 P C . 4 GΕ 78.2 79.5 89.6 80.2 80.8 80.6 80.8 80.8 80.8 8.09 81.9 80.9 83.9 80.9 93.9 92.J 81.0 82.2 91.0 81.9 81.9 81.7 82.3 82.0 82.3 61.9 81.9 04.1 84.2 84.2 GE 30001 79.6 £1.3 82.6 94.1 94.0 91.9 84.8 84 · 8 87 · 1 97.1 GΕ 25001 83.1 83.2 64.7 24.7 84.7 84.7 84.7 84.7 84.8 87.1 84.9 94.9 G E 2000 81.4 A 3.5 ₽7. C 87.0 87.0 97.0 86 . 1 67.0 87 • n 85.4 87.2 F7.2 94.1 G F 18501 81.8 85.9 47.5 87.5 87.5 87.5 P7.5 87.6 87.6 97.6 P7.7 86 • 7 GE 15001 83.8 86.3 87.8 89.5 99.5 69.5 89.5 49.5 89.5 89.6 89.6 89.6 99.6 91.0 97.8 9 L . B 90.8 90.8 90.8 90.9 93.9 90.9 91.0 27.9 fs F 10001 84.9 9001 85.5 89.9 90.8 91.7 91.7 91.8 91.6 GE 88.5 90.4 91.5 91.7 92.5 92.5 92.7 92.5 92.7 92.5 92.7 92.5 92.5 92.6 92.6 92.6 92.8 92.8 92.7 92.9 830[65.6 A8.7 90.6 92.7 92.7 91.1 GE 7001 95.8 89.0 93.3 93.5 95.1 75.1 95.1 94.8 94.9 95.1 95.2 GE 5001 P6.5 90.4 92.7 94.0 95.4 95.5 95.8 95.9 95.7 96.0 96.1 96.1 96 • 1 76.1 96.2 96.2 97.B 97.8 GE 4001 86.5 90.8 94.6 97.6 97.6 97.7 97.8 98.0 93.0 96.6 96.8 93.7 99.1 GE 3001 86.6 91.3 95.3 97.4 97.6 98.4 98.8 98.8 94.5 99.7 99.0 99.n 99.3 99.1 97.6 97.6 99.6 99.1 99.2 99.8 99.7 99.7 99.7 99.7 98.6 1001 86.6 93.7 100.0 100.0 21 86.6 G E 71.3 93.7 95.4 97.6 97.8 99.6 99.1 99.2 99.6 99.7 99.7 99.7 99.8 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

A IN MENINER ZENATCELMAC

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO PERIOD OF RECORD: 78-67

MONTH: MAY HOURS(LST): 0930-1100 VISIPILITY IN STATUTE MILES CEILING GE GE 3 2 1/2 GE 5 IN | GE FEET | 10 6 E GE GF GE 2 1 1/4 GE σŧ 6E 1/15 1 7/4 6 1/2 1/4 ជ NO CEIL | 55.2 55.9 56.0 56 • 7 56.8 56.8 56.8 56.8 56.9 56.8 56.8 56.8 GE 200001 59.6 61.3 61.3 61.3 €1.3 61.3 61.3 61.3 61.3 61.3 61.4 61.4 61.8 61.4 61.4 61.6 GE 180001 59.7 60.2 60.5 60.6 61.3 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61.8 63.5 GE 160001 59.7 GE 140001 60.1 61.3 61.4 61.8 61.4 61.8 61.4 61.8 61.8 61.4 60.5 6Ú . 6 61.4 61.4 61.C 61.1 GE 127001 61.8 62.4 63.4 63.5 67.5 63.5 63.5 63.5 63.5 63.5 63.5 63.5 GE 100001 65.1 65.9 65.6 66.6 66.7 66.8 66.8 66.8 66.8 63.0 66.8 68.0 66 • 9 6 8 • C 66.8 66.5 66.8 66.8 66.8 93001 65.9 67.1 67.2 67.8 68.0 69.0 68. D 68.0 66.8 68.D 68.0 05.0 68.0 GE 80001 68.5 70001 71.1 69.4 69.7 69.8 72.4 70.4 70.5 70.5 70.5 73.1 70.5 75.5 73.1 73.1 73.1 73.1 73.1 73.1 73.1 73.1 60001 71.5 G.F 75.3 75.6 75 . 7 76.3 76.5 76.5 76.5 50001 76.5 76.8 77.5 76.9 77.6 77 • 5 78 • 3 77.6 78.4 77.6 7°.4 77.6 78.4 77.6 78.4 GΕ 45001 75.6 76.5 77.6 77.6 77.6 77.6 77.6 77.6 77.6 4CGOI 76.3 77.2 78.4 78.4 78.4 78.4 78.9 78.4 78.4 76.4 35001 76.9 77.7 78.1 78.2 78.8 78.9 78.9 78.9 78.9 78.9 78.9 78.9 76.9 30601 79.4 83.6 81.7 81.7 91.7 90.3 81.3 P1.7 91.7 81.7 81.7 P1.7 81.6 81.7 81.7 81.7 25001 81.1 93.8 83.8 81.8 83.9 83.8 83.8 82.4 82.7 83.0 83.7 93.8 83.8 83.8 83.8 9.4 £6.9 20001 83.8 95.5 66.8 66.9 86.9 86.9 86.9 86.9 86.9 86.9 86.9 96.9 66.9 P5.9 87.2 87.3 90.0 97.3 93.0 87.3 90.0 97.3 87.3 90.0 87.3 93.3 67.3 90.0 6 F 18001 84.1 86.2 86.6 87.3 97.3 97.3 P7.3 15001 86.5 90.0 90.0 90.0 92.2 GE 12001 89.1 93.4 91.0 91.3 91.9 92.2 92.2 92.2 92.2 92.2 92.3 92.2 92.2 92.2 GE 10401 68.8 91.5 92.0 93.0 92.4 93.3 93.0 93.2 93.2 93.2 93.2 93.2 91.7 93.2 93.2 93.2 93.2 93.2 GF 9001 89.2 92.2 94.0 94.3 94.3 24.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3 8001 89.8 7001 90.1 94.2 94.5 94.8 95.5 95.8 95.5 95.8 75.5 95.8 GF 93.2 95.2 95.5 95.5 95.5 95.5 95.5 95.5 ĢΕ 93.5 95.5 95.8 95.9 95.0 95.8 95.4 95.8 95.8 95.8 6001 90.9 96.9 96.9 96.9 96 . 9 5001 90.5 4001 90.8 3001 90.8 95.6 6 E 97.7 96 . Ü 98.2 98.3 98.3 90.3 98.3 98.3 98.3 98.3 98.3 6 E 98.9 99. j 99. 5 99.0 99.5 99.1 99.1 99.1 99.1 94.8 95.9 96 . 6 98.4 98.8 99.1 99.1 99.1 94.9 96.3 96.7 99.9 98.6 79.1 99.9 99.9 GΕ 2001 93.8 94.9 96.0 96.8 98.7 99,2 99.4 99.6 100.0 100.0 100.0 100.3 100.0 100.0 100.0 1001 90.8 96.0 96.8 98.7 100.0 107.0 100.0 100.0 100.0 100.0 100.0 01 93.E 96.0 98.7 99.2 94.9 96.6 99.4 99.6 99.6 100.0 100.0 100.0 100.0 100.0 100.0 106.0

PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

					ON NAME:							MCNTH	OF REC	HOURS	(LST):	1257-14	-
	ILING	• • • • • •	• • • • • • • • •	••••	• • • • • • • •	• • • • • •	•••••		BILITY					• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •
F	IN	• -	e Cf	G E S	GF 4		GE 2 1/2	G E 2	GE 1 1/2	GE 1 1/4	GE 1	G L 3/4	G F 5 / B	6E 1/2	6F	5t 1/4	€r €
	CEIL		48.0	48.4	48.5	48.6	46.9	48.9	48.9	48.9	48.9	40.0	48.9	44.7	48.9	40.0	48.9
	200001 180001		55.4 55.8	55.8 56.2	55.9 56.3	56.0 56.5	56.3 56.8	56.3 56.8	56 • 3 56 • 8	56.8	56.3 66.8	56.4 56.4	56.3 56.8	56.1 56.8	50.3	55.3 56.8	° 6.3
υŁ	160001 140001	55.7	55.8 56.6	56.2 57.3	56 • 3 57 • 1	56 • 5 5 7 • 2	56.8 57.5	56.8 57.5	56.8 57.5	56.8 57.5	56.8 57.5	56.8 57.5	56.8 57.5	56.9 57.5	57.5	54.8 57.5	56.8 57.5
	12700		58.1 61.0	59.5	58.6	58.7 61.7	59.0 62.0	59.0	59.0 62.2	59.0 62.2	. 2 2	54.0 62.2	5 4 • El	54.3	17.0	\.e.s	• • • • •
6 E	90001	61.1	62.0	62.6	62 • ¤	63.5	63.3	63.3	63.4	63.4	62 • 2 63 • 4 65 • 3	67.4	62.2 63.4 45.3	62.2 63.4 65.3	(3.4 (5.3	67.2 53.4 55.1	63.4
GE	7000	64.3	55.6 66.3	66.1	66.3 66.8	66.6 67.5	66.9 67.3	66.9	67. D 67. y	67.3 67.4	67.C 67.4	67.9	67.9	67.0 67.4	67.u	67.4	67.0 67.4
ς ε	50001		69.9	73.4	70.6	73.9	71.2	71.2	71.3	71.3	71.3	71.2	71.3	71.3	71.3	71+3	71.3
GE GE	40001	72.5	71.6 73.9 76.7	72.2 74.4 77.2	72.4 74.6 77.4	72.6 74.8 77.6	72.9 75.2 78.6	72.9 75.2 78.3	73.0 75.3 78.1	73.0 75.3 78.1	73.0 75.3 78.1	73.7 75.3 78.1	73.0 75.3 78.1	73.9 75.3 78.1	73.0 75.3 78.1	73.0 75.3 79.1	73.C 75.3 76.1
C E	30001	79.7	91.3	81.9	62.2	62.3	82.6	82.6	82.7	82.7	82.7	8.7.7	82.7	82.7	82.7	62.7	H Z + 7
G F G E	20001	84.8	94.9 97.4	85.5 88.0	85•8 88•3	85.5 88.5	86.3 88.5	86.3 89.8	86.5 89.0	86.5 89.0	96.5 89.0	86.5 89.1	86.5 87.1	86.5 89.1	89.1	85.5 89.1	₽6•5 ₽9•1
GE GE GE	15001	86.5	88.1 89.2 91.8	88.6 90.0 92.7	88.9 90.4 93.2	89.1 93.6 93.4	89.5 71.0 93.6	89.5 91.0	89.7 91.3 94.1	89.7 91.3 94.1	89 • 7 91 • 3 94 • 1	8 ° . 8 9 1 . 4	89.8 91.4 94.2	89.8 91.4 94.2	89.8 71.4 74.2	89.8 91.4 94.2	89.8 91.4 94.2
0 E		89.0	92.6	93.4	94.3	94.5	94.8	94.8	95.2	95.2	95.2	94.2	95.4	35.4	75.4	94.2	95.4
G E G E		89.4 89.6	93.1 93.5	94.1	94.9 95.4	95.2 95.6	95.6 96.0	95.6 96.0	95.9 96.3	95.9 96.3	95.9	96.1 96.6	96.1	96.1 96.6	96.1	96.1 96.6	96.1
e E	,	89.9 93.€	94.1 94.3	95.6 96.0	96.5 96.9	96.9 97.7	97.4 98.3	97.4 98.3	97.7 98.6	97.7 98.6	97.7 98.6	9°.5	98.8 5.80	99.0 98.8	98.3	9 P • 1)	98.0 90.8
G E		90.2	74.5 94.5	96.5	97.3 97.3	98 • 2 98 • 3	7E.8	98.9 99.0	99.4 99.5	99.4 99.5	99.4	90.6	99.6 99.8	99.6	97.6	99.6	99.6
G E	3001	90.2 90.2	94.5	96.5 96.5	97.3 97.3	98.3	98.9 98.9	99.0	99.6	99.6	99.8	100.0	100.0	100.0	100.3	100.C	100.0 100.0
6 €		90.2	94.5	96.5	97.3	98 • 3	98.9	99.0	99.6	49.6	99.6	100.0	100.0	130.3	170.0	100.0	100.0
G E		90.2	94.5	96.5	97.3	48.3	98.9	99.0	9946	99.6			100.0				100.0

PERCENTAGE FREQUENCY OF GCCUMPENCE OF CFILING VINIOS VINITHICATY

STATION NUMBER: 727675 STATION NAME: MINOT AFE NU

STA	ITION N	քնանքը:	727675	TIATS	ON NAME:	MINO	OT AF3 NU					PERIOL	LF REC				
													E: MAY			1509-17	
	LING		• • • • • • • • •	•••••	• • • • • • •	• • • • • •	• • • • • • • •			IN STAT			• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •
	_	GŁ	GE	GE	6 F	GE	LE	0.5	GE .	14 2 I A I	υτ , π լև նΕ	.t.s ((f, ,	Si	υĺ	6 E	GF.
	ET I		UL L	5	4		2 1/2		1 1/2		1		178	1/2	1/16	174	G C
															•••••		
N C	LEIL I	45.5	46.9	47.3	47.1	47.1	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GΕ	200601	52.0	53.5	53.7	53.0	53.5	54.0	54.0	54.1	54.1	54.1	54 - 1	54.1	54.1	54.1	54.1	· 4 . 1
GE	197001	52.0	53.5	5 2 . 7	53 • ĕ	53.8	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	< 4 . i	54.1	54.1
GE	160001	52.0	53.5	5 5 . 7	53.0	53.8	54.0	54 .7	54.1	54.1	54.1	54.1	44.1	54.1	54.1	54.1	· 4 . 1
GE	140001	52.7	54.2	54.3	54 . 4	54.4	54.6	54.5	54 • 7	54.7	54.7	54.7	44.1	54.7	54.7	54.7	14.7
ĿΕ	120001	54.5	< 6 • C	56.1	50 • ∠	56.2	56.5	56.5	56.6	56.6	56.6	5ۥ6	56.6	56.5	5.6 • 0	54.06	56.c
_																	
	100001		58.0	59.1	58 • 2	58.2	56.4	58.4	58.5	5 6 6	58.5	50.5	50.5	59.5	56.5	56.5	50.6
	9000		58.6	58.7	58.8	58.8	59.0	59.5	59.1	59.1	59.1	59.1	59.1	59.1	· + . 1	59.1	59.1
	8000		61.4	61.6	61.7	61.7	61.9	61.9	62.0	62.3	62.C	62.0	62.0	62.0	62.0	0.50	E2.0
	70001		63.5	63.9	64 • 1	64.1	64.3	64.3	64.4	64.4	64.4	64.4	64.4	54.4	64.4	64.4	64.4
(ı F	6000	63.3	65.1	65.4	65 • 6	65.6	65.8	65.8	65.9	05.9	65.9	6.0	65.9	65.9	65.9	65.5	65.9
G F	50001	69.0	71.1	71.4	71.6	71.6	71.6	71.3	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE		71.7	73.9	74.2	74.4	74.4	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
	4000		78.1	78.5	78.9	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	19.2	74.2
	35 60		6 Ü • 3	87.8	01.2	81.2	91.4	61.4	81.5	81.5	81.5	61.5	61.5	81.5	P1.5	61.5	A1.5
GΕ	3000	62.2	84.8	85.3	85.8	85.8	86.0	86.0	86.1	86.1	P6 • 1	86.1	A6.1	86.1	86.1	86.1	96.1
6 €		65.3	PB - 1	88.5	99 • ₽	89.1	89.4	80.4	89.6	09.6	99.6	89.6	89.6	89.5	P9.6	89.6	9.0
is E		87.2	° J• 1	90.5	91.1	91.2	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GΕ		67.2	90.1	90.5	91.1	91.2	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE		88.2	91.3	91.9	92.5	92.6	92.b	93.3	93.3	93.3	93.4	93.4	93.4	93.4	23.4	93.4	43.4
GF	1266	89.4	25.5	93.3	94.1	94.7	94.4	94.6	94.9	94.9	95.1	95.1	95.1	95.1	95.1	45.1	95.1
, .	1000		0.						0, ,	0	04 7	0, 1	0. 7	04 7	04.3	0.4	96.7
5 E 6 E		90.0 90.2	93.4 93.7	94.5	95 • 4 95 • 7	95.4	96. L	96.2	96.6	96.6	96.7 97.0	96.7	96.7 97.0	96.7 97.3	76.7 97.3	96.7 97.3	97.0
6 F		93.3	73.9	95.2	96.0	96.1	96.3	96.6	96.9	96.9 97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
Gε		93.4	94.3	95.6	96.5	96.5	96.7 97.2	96.9	98.2	98.2	98.3	97.0	98.3	99.3	98.3	98.3	98.3
GE		90.6	94.5	95.8	96.7	97.1	97.4	97.6	98.4	98.4	98.5	98.5	98.5	98.5	96.5	99.5	98.5
	. 0			, , ,	,,,,,		7107	,,,,	,,,,	70.43			.0.5	,,,,,	.0.2	, , ,	*0 • 3
GE	5.00	90.8	94.7	96.1	97.1	98.3	96.3	98.7	99.5	99.5	9.6	99.6	99.6	99.6	99.6	99.6	59.6
GE		90.8	94.7	96.1	97.1	98.	96.3	99.5	99.9	99.9	170.0	100.0	100.0		100.0	100.0	100.0
6.5	300	90.8	94.7	96.1	97.1	98.0	76.3	99.0	99.9	99.9	100.C	100.0	100.0	100.0	100.0	100.0	100.0
GΕ		97.8	94.7	96.1	97.1	98.0	96.3	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GΕ	1 30 1	90.5	94.7	96.1	97.1	99.0	98.3	99.0	99.9	99.9	100.0		100.0	100.0	100.0	100.0	100.3
GΕ		90.P	94.7	96.1	97.1	9A		99.0	99.9				100.0				
																	

UEUBAL CLIMATOLOGY PRANCHUSAFETAC

PERCENTAGE FREQUENCY OF OCCURPENCE OF CFECING VERSUS MITTELLITY FROM HOUTLY OBSCRIPTIONS

AIR MEATHER SERVICE/MAC

	-						IN ETA TE					MONTH	UF REC	HOURS	(LST):	1807-25	್ಟ
	 L I 4 G	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	••••••	v 151	PILITY	IN STATE	17F M11		• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	
I FE	N I		GL 6	G E S	GE 4		υE 2 1/2	6 E 2	GE 1 1/2	GE 1 1/4	G E 1	6£ ₹/4	61 578	6E 1/2	of 1/16	0£ 174	er 0
	CEIL I		53+2	53.3	53.5	53,8	53.E	53.8	53.4	53.9	53.9	5 ₹. 0	53.+	53.7	53.9	57.9	53,4
Ú F	200001	57.3	59.5	59.6	63.U	63.2	6 C. 2	60.2	60.3	69.3	60.3	67.7	60.3	63.3	60.3	60.₹	13
υľ	190001	57.7	59.5	60.0	60.4	67.6	66.6	60.6	63.8	63.8	63.8	61 R	69.6	50.ª	4 J • B	67.A	€2.8
G E	150001	57.7	59.9	62.0	υÜ • 4	60.6	60.6	60.5	6.7 ∙ 8	60.8	60.8	6".R	60.4	63.9	63.3	60.8	16. 4
	147031		60.4	60.5	61.3	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	11.3	61.3	t 1 . 3
G.E	120001	67.₽	63.5	63.1	63.5	63.8	53.8	63.8	65.5	۰،٤٥	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE	100001	63.0	65.3	65.4	65.8	66.3	€6.5	66.0	66.1	66.1	66.1	61.1	66.1	66.1	66.1	66.1	66.1
Ū €	90001	63.9	66.1	66.2	66.7	66.9	66.9	66.9	67.0	67.3	61.0	67.0	67.0	07.7	47.3	67.0	67.0
GE	80001	66.9	69.2	69.4	69.3	10.0	76.6	70.0	73.1	70.1	70.1	70.1	70.1	70.1	73.1	70.1	75.1
Ŀξ	7000 Î	69.4	71.7	71.8	72.3	72.5	72.5	72.5	72.6	72.5	72.6	77.6	72.6	72.6	72.6	72.6	12.6
Ŀξ	6000i	70.9	73.2	73.3	73.8	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74 + 1	74.1	74.1
G E	scaol	74.9	77.4	17.5	ر. 7â	78.2	78 • Z	78.2	78.3	78.3	78.3	7 . 3	79.3	78.3	78.3	78.3	70.3
Ģ €	45001	77.C	79.6	79.7	8C.2	63.4	80.4	60.4	80.5	*0°	90.5	87.5	90.5	93.5	93.5	60.5	و.ن،
ÚΕ	40001		92.3	62.4	83.0	83.2	83.2	83.2	83.3	83.3	P 3 . 3	63.7	83.3	83.1	R 3 + 3	ė 1.3	F 3 • 3
GE	35001		94.6	84.8	95.6	85.8	85.8	8.50	85.9	45.9	25.9	85.0	85.9	85.9	95.9	06.9	F C . V
6 E	30001	84.5	97.5	87.7	88.5	6 g • 7	88.7	88.7	89.8	88.9	P6 . 5	H B * B	98.9	មិសិ 🐧	0.H . H	P B • B	68.5
G E	25 0 n l	65.6	98.6	88.6	89.7	89.9	84.9	89.9	90.0	90.0	30.0	. 93.0	90.0	90.0	90.1	77.D	¢6•3
G E	20 00 1	67.5	90.5	90.8	91.7	92.0	92. C	92.3	92.2	42.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
úΕ	18001		91.0	91.2	92.2	92.5	92.5	92.5	92.6	92.6	92.6	97.6	92.6	92.6	92.5	92.6	92.6
GΕ	15001		92.0	92.3	93.3	93.7	93.7	93.7	93.8	93.P	93.8	97.9	93.8	93.9	93.8	97.8	c 3 . A
G E	12001	E9.4	93.0	93.2	94.3	54.6	44.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
G F	10001	90.1	94.7	94.9	96.5	96.5	96.5	96.6	96.7	96.7	96.7	96 . P	96.8	96.a	96.8	96.8	96.0
GΕ	9001	90.2	74.8	95.1	96.1	96.7	96.7	96.8	96.9	96.9	96.9	97.0	97.0	97.9	97.0	97.0	97.G
GΕ	8 501	90.4	75.5	95.8	96.9	97.4	97.4	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GF	7001	97.4	95.5	95.9	97.0	97.5	97.5	97.6	97.7	97.7	97.7	97.9	98.9	99.0	98.0	98.0	98.0
БE		90.5	75.6	96.1	97.2	98.3	96.6	98 • 1	98.2	98.2	98.2	90.4	98.5	98.5	98.5	94.5	96.5
GΕ	5001	90.5	95.6	96.5	97.5	98.7	98.7	98.8	99.1	99.1	99.2	90.5	79.6	99.6	99.6	59.6	99.6
GE		90.5	95.6	96.5	97.6	98.8	98.6	99.0	99.4	79.4	99.7	90.9	100.0	100.0	100.0	100.0	100.0
GΕ		95.5	95.6	96.5	97.6	98 . B	98.5	99.0	99.4	99.4	39.7	99.9	100.0	137.3	123.0	100.0	100.0
GE		97.5	95.6	96.5	97.6	98.8	98.8	99.6	99.4	99.4	99.7	99.9	100.0	100.0	120.0	100.0	100.0
GE		92.5	95.6	96.5	97.6	98.8	98.8	99.3	99.4	99.4	99.7	90.9	100.0	100.0	170.0	100.0	100.0
GE	a1	50.5	75.6	96.5	97.6	98.8	96.6	99.0	99.4	99.4	99.7	90.9	100.0	100-0	100.0	1.00.0	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIALITY FROM HOURLY GOSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT ALR NO

							JV ETA TO					MCNIH	- 0≠ □FC : ₩ Δ Υ	ноиру	(LST):		
	LING	• • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	••••••		 B] L] T Y				• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • • • • •
I FE	N I ET I	6E 10	GE 6	e F	GF 4		6E 2 1/2	ĠE Z	6E 1 1/2	6f 1 1/4	6 F 1	G.L. */4	uf 5/5	G E 172	6f 716	1.€ 1/4	ut 3
• • •	• • • • • •	• • • • •	• • • • • • • •	• • • • • • •	•••••		•••••	• • • • • •		• • • • • • •	• • • • • •	• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • •	•••••
N C	CEILI	60.6	61.5	61.5	01.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	11.9	61.5	61. *
6.5	200001	64.2	65.2	65.4	65.6	65.0	05.8	65.8	65.8	65.8	65.8	6 ° p	65.4	65.4	65.6	55.8	65.8
	180001		65.3	65.5	65.7	65.9	65.9	65.9	65.9	65.0	55.9	64.9	65.9	65.9	65.4	ر د و	61.7
	167001		65.3	65.5	65.7	65.4	65.9	65.0	65.9	65.9	65.5	65.9	65.9	65.9	65.7	65.9	e 5 . 9
ĿΕ	140001	64.7	65.7	65.9	66.1	66.3	66.3	66.3	66.3	66.3	46.3	66.7	66.3	66.3	46.3	65.3	66.3
	15,001		66.3	66.6	60.0	67.1	€7.1	67.1	67.1	57.1	67.1	67.1	67.1	67.1	67.1	07.1	t 7.1
G.F	100001	68.4	69.4	69.6	69.8	73.1	76.1	7 _{G • 1}	70.1	73.1	70.1	70.1	70 - 1	73.1	73.1	77.1	7C+1
	90001		70.D	70.2	70.4	70.8	75.8	79.8	70.8	70.9	70.6	77.8	70.8	73.9	73.3	77.8	70.8
GE		72.6	73.8	74.0	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE	70001		75.9	76.1	76 - 5	76.6	76.8	76.8	76.8	76 . A	76.8	76.9	76.8	76.9	76.8	76.8	76.8
GΕ	60001		77.0	77.2	77.5	77.8	77•8	77.8	77.8	77.8	77.8	77.B	77.8	77.9	77.6	77.R	17.0
G E	Short	78. ^	79.5	79.8	86.1	80.4	P[.4	80.4	8g.4	86.4	s () • 4	80.4	и 0 . 4	80.4	PJ.4	90.4	A (. 4
6 E	•	6C.3	91.9	82.3	82.6	82.9	92.9	82.9	62.9	82.9	P Z . 9	8 - 3	82.9	52.9	P 2 . 9	87.9	82.9
υE		81.6	93.3	63.7	84.0	84.3	24.3	84.3	94.3	84.3	04.3	64.3	84.3	34.3	84.5	54.3	64.3
GE		83.8	95.6	85.9	86.2	86.6	56 · b	86.6	86.6	86.5	P6 . €	86.6	P6.6	86.6	°6.6	55.6	66.6
GE		65.3	57.1	67.4	87.7	88.1	88.1	88.1	98.1	55.1	98.1	5 P . 1	88.1	89.1	88.1	88.1	# E • 1
GE	25.001	86.9	93.9	89.2	96. 4	90.0	90. D	90.0	90.0	90.C	٥٠.٥	90.0	43.5	90.3	90.0	99.0	43.0
6 E		59.T	94.5		84.6			91.7	91.8	91.8	91.8	91.8	91.8	91.9	91.0	91.P	91.0
6.5				91.0	91.3	91.7	91.7			92.3	92.3	92.1	92.3	92.3	25.3	92.3	92.3
G E		88.4 69.9	91.0	91.4	91.7	92.2	92.2	92.2	92.3	92.3	93.3	97.3	93.3	y2.3 y3.3	93.3	93.3	93.3
GE		89.7	92.5	92.3 93.3	92.7 93.4	93.2 94.u	93.2 94.0	93.2	94.2	94.2	94.7	94.2	94.7	94.2	94.2	54.2	94.2
GE	10000		0.0. 3	C 10 3	05.3	05.3			01.0		25.5		0.5				67.0
G E		90.5	94.2	94.7	95 • 2	95.7	95.7	95.8	95.9	95.9	95.0	95.9	95.9	95.9	05.9	45.9	95.9
GE		90.5 90.8	94.5	95.1	95.5	96.1	96.1	96.2	96.3	96.3	96.3	9(.5	95.3	95.3	95.3	95.3	96.3
6 E		90.8 90.9	95.1	95.8	96.2	96.9	96.9	97.0	97.1	97.1	97.1	97.1	67.1	97.1	97.1	97.1	
6 E		30.6	95 .4 95 .4	96 • 1	96 • 6	97.2	97.2 97.2	97.4	97.5 97.6	97.5 97.6	97.5 97.6	97.5 97.6	97.5	97.5	97.5	97.5	47.5
O L	8 U U I	40.0	93.4	96.1	96.6	97.2	91.2	97.5	71.6	97.6	41.6	91.6	41.6	41.6	97.6	97.6	97.6
G E		90.9	95.4	96.1	96.6	97.3	97.6	98 - 1	98.3	98.3	98.3	६व. र	98.5	98.3	98.3	98.3	96.3
GE		90.9	95.4	96.3	96.9	68.0	78.4	98.9	99.5	99.5	9.60	33.6	99.6	99.6	99.6	99.6	99.6
ĢΕ		90.9	95.4	96.3	96.9	98.0	98.4	99.1	99.7	99.7	39.8	90.0	99.8	99.8	99.8	99.8	99.6
GE		97.9	95.4	96.3	96 • 9	99.0	98.4	99.1	99.7	99.7	1,0.0	160.0	100.0	100.0	100.0	130.0	100.0
ίE	1001	93.9	95.4	96.3	96.9	98.3	G8.4	99.1	99.7	99.7	170.0	107.0	100.0	150.0	170.0	100.0	100.0
GE	n I	90.9	95.4	96.3	96.9	98.0	78.4	99.1	99,7	+9.7	100.0	100.0	199.0	100.0	1 20.0	100.0	100.0

PERCENTAGE PRÉQUENCY OF OCCURPENCE OF CETLING VERTUS VECTALLITY FROM HOUPLY OBSERVATIONS

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STA	TION NUMBER	7: 7:7675	STATE	ON NAME	: 41NC	1 AFB N	D						080; 78	- 6 °		
											MONTH			16211:	ALL	
		• • • • • • • •	• • • • • • •	• • • • • •	• • • • • •	••••••						• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • • • • •
LEIL	.1NG V 1 GE	3.6	GE	υE	GΕ	65	01 A 12 1	GF	IN STATE	oti mir	ts 5E	(a f	G E			
FEE			ه در	U.C.		2 1/4		1 1/2		1	*/4	5/4	1/2	υΕ */16	€ 174	ul ,
																L
					••••			••••					•••••	• • • • • • •		
NO (ETL 55.4	56.7	56.5	56.7	56.4	57.C	57.0	57.0	57.2	57+0	5	57.0	57.0	67.0	57-0	· 7 • 2
	20000 60.2		61.4	61.0	61.7	61.9	61.7	62.0	62.0	9.54	67.7	52.0	62.0	62.0	62.0	62.3
	180001 6g.4		61.6	61.9	62.1	t 2 • 1	62.1	62.2	62.2	65.2	67.7	62.0	62.2	45.3	62.2	62.2
	16000 60.4		61.6	61.8	62.1	62 • 1	62.1	62.2	62.2	62.2	60.42	02.2	62.2	62.2	62.2	62.2
	14ცვექ ნეაგ		62.1	62.3	62.5	62.6	62.6	62.6	02.6	12.6	6. • 6	62.6	52.6	62.6	62.6	62.6
GF 1	127001 62.3	£ 3.1	63.5	63.7	64.0	€4.C	64.0	64.1	64.1	f4 • 1	64.1	64 • 1	64.1	64.1	64.1	64.1
G.F.	າລຄອຍ! 65.ວ	65.9	66.3	66.5	66.8	€ 6 • 8	66.8	55.9	06.0	66.4	66.9	65.3	66.9	66.9	04.9	66.9
υE			67.3	67.0	07.5	67.9	67.9	68.0	68.7	44.6	68.0	68.0	69.0	68.0	68.0	50.0
C.F	85001 69.0		70.5	70.7	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2
υĒ	70301 71.2		72.7	73.J	77.3	73.4	77.4	73.4	73.4	73.4	77.4	73.4	73.4	73.4	73.4	73.4
	60001 72.1		73.6	73.9	74.2	74.3	74 3	74. 3	74 . 3	74.7	74.3	74.3	74.3	74.3	74.3	74.3
•							•		, , , .				• •			
ĢΕ	50CC: 75-3	76.6	7 7 . ()	77.3	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
ÚΕ	45001 77.2		79.0	79.3	79.6	79.7	79.7	19.7	79.1	19.7	70.8	2.61	79.8	79.8	79.8	75.0
GE	40001 78.7		8 _{0.6}	81.0	81.3	81.4	81.4	81.4	81.4	al.4	61.4	R1.4	01.4	01.4	H1.4	81.5
υE	3°30 80•3		82.3	82.7	63.U	° 3. 1	83.1	A 3 • 1	03-1	83.1	87.1	33.1	83.1	F 3 . 1	o 3 • 1	P 3 • 2
ĢΕ	30001 82.8	94.4	84.9	£5.4	65.7	95.8	85.8	85.8	۵5.°	4 C .	8 . • 3	95.9	35.9	e 5 • 9	85.9	85.9
υF	21001 a4.3	86.1	86.7	87.2	87.5	e 7 • 6	87.6	87.7	87.7	P7.7	87.7	67.7	87.7	α 7 • 7	67.7	e 7 • 7
ŠΕ	20001 85.9		88.4	99.1	69.5	95.6	89.6	89.7	89.7	99.7	80.7	89.7	89.7	89.7	69	89.5
SE	18401 86.2		89.5	89.5	89.9	9L•C	90.0	90.1	90.1	90.1	97.1	90 • 1	90 1	93.1	90.1	96.1
G E	15 and 67.6		97.6	91.2	91.6	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE	12301 80.6		91.9	92.6	93. j	93.1	93.1	93.2	43.2	93.7	97.3	93.3	93.3	93.3	93.3	93.3
												,				
üΕ	10001 69.2		93.0	93.7	94.	94.3	94.4	94.5	94.5	94.5	94.6	94.6	94.6	04.6	94.6	04.6
GE	9.01 89.5		93.5	94.2	94.7	94.9	94.9	95-1	75.1	95 • 1	95.1	95.1	95.1	95.1	95.1	95.2
SE	PUC 82.7		94.0	94.8	95.3	25.4	95.5	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
6 F	700 89.9		94.4	95.2	95.0	95.9	96.0	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3
υE	6001 97.1	1 +3.€	94.9	95 • 8	96.5	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.5	97.3	97.1	97.1
GΕ	5301 90.2	2 94.6	95.3	96.2	97.1	37.4	97.6	97.8	97.5	97.9	97.9	97.9	97.9	97.3	9.8.0	98.0
GΕ	4001 97.3		95.6	96.6	97.7	98.0	98.4	98.7	98.7	98.8	99.9	98.9	98.9	98.9	98.9	98.9
GE	3001 97.4		95.8	76.6	98.0	98.3	98.7	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
őε	2001 90.4		95.0	96.9	98.1	98.4	98.8	99.3	99.	99.5	90.7	99.7	99.7	99.7	99.7	99.7
G E	1001 90.4		95.8	76 . 9	99.1	98.4	98.9	99.3	99.4	99.7	99.8	99.8	99.9	99.9	99.9	100.0
ú€	C 90.4	94.4	95.8	96.9	98.1	98.4	98.9	99.3	99.4	99.7	90.8	99.8	99.9	99.9	99.9	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VEHICLE VIOLETLISTY FROM HOURLY OBSERVATIONS

					_		T 413 %					мочтн	UF GEC	наирь	acti;		
		• • • • •	• • • • • •	•••••	• • • • • • •					IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • • •
I F E	ET	10 (F	GE E	65		3		G.E.	1 1/2	01 1 1/4	1.0	C L 7/4	64 778 •••••	%E 172	1 €/15	5E 174	
40	CEILI	6°.2	69.6	b 3 . 7	00.H	68.8	F m . B	6 A • A	68 • b	5d • R	58.8	60.0	68.B	5A . A	60.0	r. ~ • fe	10.0
	100001		72.7	72.e	72.9	72.9	72.9	72.9	72.9	12.9	72.9	77.9	72.9	12.9	72.4	77.4	7
	187301		72.7	72.8	72.9	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.7	72.9	72.7	7.7 • 9	*. • •
	10001		72.7	72.8	72.9	12.5	72.9	72.9	72.9	12.9	72.5	72.9	72.4	72.7	72.9	17.0	`. • ·
	147001		72.7	12.6	72.9	72.9	72.4	72.9	72.4	12.9	72.9	72.4	72.9	75.9	7. • 4	73.9	7.7.
ĿΕ	150001	73.6	73.9	74.0	74 - 1	74.1	74.1	74.1	74.1	74.1	74	14.1	74.1	74.1	14.1	71	
CE	100001	75.7	77.3	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	7.4	. 1
r, E	95021	77.9	78.2	78.4	78.6	79.7	7 E • 7	78.7	78.7	18.7	78.7	79.7	78.7	78.7	3.7	14.7	10.7
GF	87001	P 2 . C	92.4	82.7	82.8	82.4	52.9	82.9	92.9	87.9	82.9	87.9	82.9	82.9	0 7	A 2 . 9	H 7
üΕ	70001	64.6	95.4	85.7	d5.b	85.9	45.9	85.9	85.9	85.7	85.4	85.3	P5.9	44.5	45.9	E5.4	n 5 . y
C E	13034	65.8	86.6	96.8	86.9	67.0	9.7 € €	87.0	87.C	87.7	P7+C	87.0	A 7 . C	87.C	97.J	r. 7 • C	# 7 • L
GΕ	scool	86.4	90.b	91.1	91.2	y1.5	91.3	21.5	91.4	91.4	21.4	91.4	91.4	11.4	71.4	9}	*1.
G.F	45001		91.6	92.1	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	42.4	92.4	92.4	0, 4
Ú.€	47301		22.7	93.0	93.1	93.3	03.3	97.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
G E	3° ac 1	-	G 3.4	93.9	94.0	94.2	94.2	94.3	94.3	94.7	04.3	94.7	94.3	94.3	94.3	34.3	94. !
6.5	30 ប័ ប ្រ		94.7	95.1	95.2	95.4	95.4	95.6	95.6	95.6	25.6	91. +6	₹5.6	75.6	95.6	95.6	95.6
5 F	25 co l		95.3	95.0	45.4	96.1	96.1	96.2	96.2	96.2	36.2	96.2	46.2	96.2	95.2	35.2	26.5
G E	20001		95.9	96.3	75.7	46.8	96.8	96.9	76.9	96.9	76.5	96.9	96.9	76.7	95.9	96.7	96.9
GΕ	19001		76.4	96.9	97.1	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	77.6	97.6
6.6	15601		37.2	97.8	96.0	98.4	96.4	99.6	98.6	98.5	9.80	98.6	98.6	39.6	94.6	9A.6	90.0
6 €	12001		97.2	97.8	98	98.7	98.7	98.8	98.8	98.8	98.8	9 . 9	98.5	78.9	98.8	98.8	48.0
G E	10001	95.1	77.6	98.1	98.3	99.3	99. C	99.1	99.1	99.1	99.1	99.1	99.1	.9.1	09.1	99.1	c 9 . 1
G F	9401		27.6	94.3	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99	99.3	99.3	99.3	99.3	99.3
6.5	2001		57.9	28.4	98.1	99.3	79.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
6 E	7001		77.9	98.4	98 • 7	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	97.6	10.6	99.6
GE	6001		97.9	98.6	98.6	99.4	99.4	99.7	99.7	99.7	29.7	99.7	99.7	99.7	99.7	99.7	99.7
	6n.l								_								
υ <u>ς</u>	1001		97.9	99.6	98 - 8	90.4	99.4	99.7	99.1	99.7	79.7	99.7	99.7	99.7	99.7	99.7	99.7
űE	4 30 1		97.9	98.6	98.8	99.4	74.4	99.7	99.7	y 9 . 7	99.7	99.7	99.7	99.7	99.7	39.7	99.7
GE	3601		97.9	98.6	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
6 E	2001		97.9	98.6	98 • B	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	19.7	99.7	99.7	99.7
GE	1601	75.1	77.9	98.6	98 • B	99.4	99.4	99.7	99.7	99.7	99.7	9°.6	99.8	99.8	99.9	19.0	100.0
C E	01	95.1	97.9	98.6	98.6	49.4	99.4	34.7	99.7	→9.7	99.7	99.8	99.8	99.4	94.9	99.9	196.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF OFFICING VERSUS VISIBILITY FACE HOURLY OUTER PRATICAL

STATION NUME	• • • • • • • • • • • • • • • • • • • •		_							MONTH	OF SEC	40085	น์ราว: :		
CEILING		• • • • • • •	• • • • • • •	• • • • • • •	•••••	v 15 1	PILITY				• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	••••••
IN C	1^ €	GE.		3		e F	1 1/2	6 E 1 1/4	G F 1	5 t 7 / 4	6 F 5 7 F	GE 1/2	υξ °/15	5E 174	G <u>f</u> S
NO CEIL U	7.1 02.9	03.0	63.0	63.1	12.1	61.1	+ 3 - 1	63.1	63.1	67.1	63.1	53.1	£3.1	t ! • 1	13.1
UE 20000 61 GE 16000 61 GE 16000 61 GE 14000 68	7.6 68.0 7.6 68.0	69.2 68.1 68.1 69.6	66.1 65.1 65.5	68.1 68.2 68.9	60.1 60.2 60.2 60.9	69 • 1 69 • 2 69 • 2 69 • 3	58.1 68.2 59.2 68.9	6P.1 58.2 69.7 65.9	48.1 48.2 48.2 68.9	69.1 69.2 58.2 68.9	69.1 69.2 69.2 68.9	63.1 58.2 63.2	65.1 68.2 68.2 68.9	69.1 69.2 69.2 69.9	6 H .] 6 H . Z 14 H . Z 6 H . 9
65 120001 70		70.,	73.5	71.3	71.0	71.0	71.3	71.0	71.0	71.3	71.0	71.0	71.5	71.0	71.0
3E 10000 74 6E 9003 75 6E 8000 70 6E 7000 80 6E 6000 83	75.6 7.9 F1.3	75.2 76.0 81.2 84.2 85.3	75.2 76.0 n1.2 64.2 85.3	75.3 76.1 61.2 64.3 85.4	75.3 76.1 91.3 64.3 95.4	75.3 76.1 81.3 84.3 85.4	75.3 76.1 91.3 94.3 85.4	75.3 76.1 51.3 84.3 85.4	75.3 76.1 91.3 94.3 85.4	75.3 76.1 81.3 64.3 85.4	75.3 75.1 81.3 84.3 85.4	75.1 76.1 51.7 ~4.3 95.4	76.1 76.1 81.3 84.3	76.3 76.1 61.3 64.7 85.4	75.3 76.1 61.3 64.3 85.4
GE 30001 86 OF 45001 86 OF 45001 87 GE 35001 63 GF 35001 95	9.1 90.9 7.9 91.6	88.4 90.1 91.1 92.1 93.1	F6.4 50.1 91.2 92.2 93.2	88.6 67.7 91.7 92.7 93.7	48.6 93.7 91.7 92.7 93.7	68.6 90.7 91.7 92.7 93.7	88.6 90.7 91.7 92.7 97.7	88.6 97.7 91.7 92.7 93.7	#8.6 92.7 91.7 72.7 93.7	88.6 90.7 91.7 97.7 97.7	98.6 90.7 91.7 92.7 93.7	48.4 93.7 91.7 92.7 93.7	Яв.ю 90.7 91.7 92.7 93.7	89.6 90.7 91.7 92.7 93.7	63.6 60.7 91.7 92.7 63.7
6E 2500 93 6E 2700 93 6E 1906 93 6F 1500 93 6F 1200 93	74.2 74.2 7.6 94.7	93.6 94.7 95.3 96.3	93.7 94.9 95.6 90.6 90.7	54.1 55.3 96.0 97.1	94.1 95.3 96.0 97.5 97.1	94.1 95.3 96.1 97.1 97.2	94.1 95.3 96.1 97.1 97.2	94.1 95.3 95.1 97.1 97.2	94.1 95.3 96.1 97.1 97.2	94 • 1 95 • 3 96 • 1 97 • 1 97 • 2	94.1 95.3 96.1 97.1 97.2	94.1 95.7 96.1 97.1	94.1 95.3 96.1 97.1	94.1 96.3 96.1 97.1 97.2	74.1 45.3 96.1 97.1
6E 1000 93 6E 900 93 6E 900 94 6F 700 94 6E 600 54	7.9 96.1 4.0 96.4 4.3 96.8	96.6 96.9 97.2 97.6 98.0	96.5 97.1 97.4 97.8 98.2	97.2 97.7 98.2 98.7 99.3	97.2 97.7 98.2 96.7 99.3	97.3 97.8 98.3 98.8 99.4	97.3 97.8 98.3 98.6 99.4	97.5 97.5 98.3 93.8 99.4	97.3 97.6 98.3 98.8 99.4	97.8 97.8 98.3 98.8 90.4	97.3 97.6 98.3 98.2 99.4	97.7 97.6 98.3 98.8 97.4	97.3 97.8 98.3 98.8 98.8	97.3 97.8 98.3 99.8 99.4	97.3 97.8 98.3 98.6 99.4
0E 500 94 0E 400 94 0E 300 94 0E 200 94 0E 100 94	4.6 47.3 4.6 97.3	98.0 98.2 98.2 98.2 98.2 98.2	98.2 98.4 98.4 96.4 98.4	99.3 99.6 99.6 99.6 99.6	99.3 99.6 99.6 99.6 99.6	99.4 99.7 99.7 99.7 99.7	99.4 99.7 99.7 99.7 99.7	99.4 99.7 99.7 99.7 99.7	99.4 99.7 99.7 99.7	90.4 90.4 90.8 90.4 90.4	99.4 99.8 99.8 99.8	99.4 99.9 99.8 99.8 99.8	99.4 99.8 99.8 99.9	97.4 99.8 99.8 99.8	99.4 99.8 99.8 99.8 170.0
GE 01 94	4.6 97.3	98.2	₹ê•4	99.6	14.6	99.7	99.7	99.7	99.7	99.7	34.9	99.9	04.9	29.9	170.0

PERCENTAGE FREQUENCY OF OCCUMPENCE OF CELLING VERSUS VISIBILITY FROM HOUSEY OBSERVATIONS

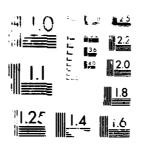
				-			. 1 AFB NO					PEPIOD	: Ju:	HOURS	(ĽSTI:		
	LING	• • • • • •	• • • • • •	• • • • • • •		• • • • • • •	•••••		BILITY					• • • • • • •		• • • • • • • •	• • • • • • • • • • • • • • • • • • • •
I FE	N ET	(£	GF E	G E 5	GF 4		0E 2 1/.		65 1 1/2	GE 1 1/4	6 E	6 E 7 / 4	61 5/0	6€ 172	۰/16	GE 174	CF Ü
	CEIL I		61.2	61.3	61.3	61.3	61.3	01.3	51.3	61.3	61.3	61.3	61.3	61.3	51.3	51.3	61.3
ÜE	23000 18000 16000 14000	69.1 60.1	67.7 68.2 68.2 69.6	67.6 69.3 69.3	67.8 68.3 68.3	67.6 68.3 68.3	57.6 68.3 68.3	67.8 68.3 68.3	67.6 68.3 68.3	67.6 68.3 69.7	67.6 68.3 68.3	67.3 68.3 68.3	67.8 68.3 68.3	67.8 68.3 68.3	67.8 69.3 63.3 69.7	67.8 68.3 68.3	67.8 68.3 68.3 69.7
	120001 100001		72.3 75.7	72.4 75.8	72.4 75.6	12.4	72.4 75.8	72.4	72.4 75.8	72.4	72.4	72.4 75.9	73,4	72.4 75.8	72.4 75.8	72.4 75.6	72.4 75.a
6 E 6 E 6 E	90001 80001 70001	61.7 63.3	76.9 92.3 84.2	77.3 82.6 64.4 85.2	77.0 82.6 84.4 85.3	77.2 82.7 64.6	77.0 82.7 64.6 85.6	77.0 82.7 84.6 85.6	77.0 82.7 84.6 85.6	77.0 82.7 84.6 85.6	77.0 P2.7 P4.6 95.6	77.0 82.7 84.5 85.6	77.0 82.7 84.6 85.6	77.n 82.7 84.6	77.0 P2.7 P4.6 85.6	77.C 82.7 84.6 85.6	77.0 #2.7 #4.6 #5.6
6 E 6 E 6 E	60031 45001 45001	86. "	97.7 87.7	86.6 87.6 88.0	80.9 87.7 88.2	87.1 87.9 88.4	87.1 47.9 88.4	87.1 87.9 88.4	87.1 97.9 88.4	87.9	97.1 87.9 98.4	87.1 97.9 88.4	87.1 87.9 88.4	87.1 97.9 89.4	P 7 • 1 P 7 • 9 P 8 • 4	57.1 57.9 89.4	F7.1 A7.4 BE.4
6 E	35 30 1 36 60 1	F8.0	65.7 89.9	89.C 90.3	59.2 90.6	43.4	#5.6 #2.5	89.6 90.9	49. è	89.6 93.9	89.6 90.9	89.6 97.9	90.4	39.6 73.9	96.6	69.6 48.9	υΩ*! υλ•Θ
6 E 6 E 6 E 6 E	25001 20001 18001 15001 10001	69.1 69.7 91.1	90.7 91.2 91.8 93.2 94.6	91.1 91.9 97.4 94.1 95.4	91.3 92.1 92.7 94.3 95.7	91.7 92.4 93.6 94.7 95.0	91.7 92.4 93.0 94.7 94.0	91.7 92.4 93.0 94.7 96.0	91.7 92.4 93.0 94.7 96.0	91.7 92.4 93.3 94.7 96.0	91.7 92.4 93.0 94.6 96.1	91.7 92.4 97.2 94.8 96.1	91.7 92.4 93.6 94.8	91.7 92.4 93.0 94.9 96.1	91.7 92.4 93.0 94.8 96.1	91.7 92.4 93.0 94.8 96.1	71.7 42.4 43.5 94.8 96.1
0 f 0 f 0 l	10gn 900		95.4 95.8 96.1	95.4 97.3 97.3	96.7	97.3 97.6 97.4	47.0 41.6 47.9	97.0 97.6 97.9	97.0 97.6 97.9	97.0 97.6 97.9	97.1	97.1 97.7 98.1	97.1	97.1 97.7 98.1	97.1 97.7 7d.1	97.1 97.7 98.1	97.1 97.7 98.1
5.E 5.E 5.E	700 I 6 ac I	93.1 61.1	96.1 96.3	97.7 97.6	47.7 98.5	48.3	16.0 98.3	98.3 98.3	98.3	99.7 98.3	98.5 98.6	99.2 99.6	98.2	98.2 98.5	98.5	94.6	96.6 96.6
5 E 5 E 6 E 6 E	4031 3001 2001	93.4 93.4 93.4	95.4 96.9 97.1 97.1	98.2 98.2 98.4 98.4	95.8 96.5 98.9 99.0	99.1 99.2 99.4 99.4	95.1 49.2 45.3 95.4	99.1 99.4 99.6	99.1 99.1 99.4 99.6	99.1 99.7 99.4	99.4 99.7 99.8 99.8	ус., 99.ц 9с., 9с., 9с., 9с.,	99.4	99.6 99.7 99.9 100.0	99.6 99.7 94.9 170.0	99.6 99.7 99.9 100.0	49.7 99.9 100.0
u E		93.4	67.1	98.4	99.0	99.4	99.4 99.4	49.6	99.6 9 9.6	49.6	99.5	90.4	99.8		103.3		

BEOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURPENCE OF CETLING VERSUS VISIBILITY USAFETAC FROM FOUGLY OBSERVATIONS AIR WEATHER SERVICE/MAC

S TA	TION NO	JMBER:	727675	STATI	CN NAME:	. MINO	UN EIA T					PEDIOD PEDIOD		ORU: 78		0907 -11	
													. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
C t I	T 14.0							v 151	BILLLA	IN STAT	UTE MILI	ES					
1		GL	SE.				(3°	6.5	2.5	ÜΕ	G.E.		GF	G Ł	GF	61	üf
	£T				4				1 1/2		1	374	5/4	173	5/16	1/4	٤
. ••	• • • • • •		• • • • • • •	• • • • • •	•••••	• • • • • •	• • • • • • • • •	• • • • • •		• • • • • • • •	• • • • • •	• • • • • • •	• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • • • • • •
√ 0	1 1133	62.7	62.9	62.4	61.9	62.9	62.9	62.9	62.9	62.9	62.4	67.9	62.5	62.9	62.9	62.4	6
ن E	200651	£ F . Q	69.1	5 4 . 1	69.1	63.1	59.1	69.1	69.)	67.1	69.1	6°.1	69.1	69.1	6 1	63.1	F4.1
5 €	180051	67.7	49.9	67.1	69.9	04.7	6.9. 9	67.9	69.9	69.9	49.5	60.9	69.9	59.7	69.4	60.0	
G E	160001	67.7	64.9	69.7	54.5	69.9	14.9	69.9	69.9	09.9	69.9	69.9	69.9	69.9	46.9	63.9	
	140001		7.7 • 4	77.4	16.4	70.4	76.4	73.4	73.4	70.4	7C • 4	70.4	70.4	73.4	73.4	77.4	1
6 F	12000	11.4	71.7	71.7	71.47	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	`i. '
1, 6	100001	16.7	91,0	75.4	75.9	75.7	74.9	75.0	75.9	15.9	75.9	75.9	75.9	75.4	.5.	1	
	90001		77.3	11.0	77.3	77.3	77.6	77	77.0	17.0	77.0	77.1	77.0	77.0	77		•
	82301		79.6	79	79.	77.3	19.9	19.9	79.9	79.9	79.5	70.0	79.9	72.9			•
	70001		° 1 • .	31.1	41.1	H 1 . 1	41.1	81.1	е1.1	d I - I	91.1	81.1	81.1	91.1	41.1		• •
	61451		A 1.6	81.6	91.4	e1.8	41.6	81.8	91.8	01.8	91.6	81.8	51	41.4	a 1	-1	• • •
, .										-				-			
11 to	57621		0 1, 7	A 7.0	P1.9	F 7. 7	P 3. 9	9 3 0	93.9	53.0	03.0	ë s≐c	8 K . 3	H 1.0	* * * *	- '	
) را	45001		° 4 . 2	84.4		+4.4	84,4	84.4	84.4	04.4	24.4	84.4	94.4	-4.4		1.4.4.4	
υť	47651		-4.4	85.1	45.1	65.1	Fee L	85.1	85.1	a 5 • 1	25.1	9.1	n5 • 1	4 C + 3	2.4	• •	
(£	15001		45.4	65.7	85.7	85.7	P5.7	85.7	85.7	85.7	R5 • 7	8 . 7	45.7	* · · ·	• •		
to F	30001	P 6 . 5	9 ? . 4	87.7	5/.7	61.1	57.1	87.7	P7.7	87.7	P7.7	87.7	s 1 • 1	* / •			
يا ر	122	+7.4	42.6	89.u	Fe . A	89.3	ян. В	90.9	89.2	88.8	98.b	A	- H				
5, €	Irási		95.8	27.0	49.4	91	91.0	91.7	91.0	91.0	91.5	91.5					
J.F	16151		¥1.4	·1.5	91 · n	91.9	91.9	91.9	91.9	91.9	91.9	11		1.			
., r	11 001		97.1	43.6	93.7	93.5	43. F	93.0	93.A	93.0	93.8						
. F	10001	47.€	39.3	94.2	44.4	45.0	3.50	95.1	95.1	95.1	46 • 1	1.70	٠.				
ot of	10001		*5.6	95.06		95.8	95.8	95.9	15.9		. 5 5						
- 15 f	9,71	, , ,	95.6 95.7	36.4	G6 . 7	96.8	96.0	96.9	97.5	97.3	.7 • (•				
u F		41.3	75.7	96.7 96.7	96.9	97.5	77.6	97.1	91.7	77.			*				
öΓ		9 + 9	46.	97.3	97.7	97.3	+ 1 • C 5 7 • B	97.1	47.	47.		•					
	J. 1			7	71 • 1	7 / • 7		7									
u f	5301	94.5	47.0	98.1	90.0	99. ,	99.1	30.1									
i, F	4 301	94.5	,7.L	98.1	48.9	99.2	99.3	49.	4	:	1.						
5.6	1001	44.C	47.6	90.1	48.1	47.6	44.3	40.									
i, Ç		94.0	97.0	98.1	4.46	43	5 . 3	45.7		: :							
G F	1001	94,7	71.L	98.1	36 • A	43.5	99.3	** . 1									
υf	31	94.C	97.0	1.90	48.4	44.											

TOTAL NUMBER OF CREENVATIONS: 955

AD-A188 319	MINOI AFB NOR	IH DAKOLA	REVISED UNIF	ORM SUMMARY OF RCE ENVIRONMENTAL A. DEC 87 F/G 4/2	3/3
UNCLASSIFIE	D USAFETAC DS-8	LICATIONS 7/084	CENTER SCOIL	F/G 4/2	ML
<u> </u>					
					END
					. 8H



PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

GL GE 10 6 6.0 66.6 6.7 67.6 6.9 67.7 7.2 67.7 9.1 69.3 2.3 72.3 3.1 73.4 5.4 75.6	GE 59.9 66.2 67.0 67.4 69.3	6C . 1 6C . 1 66 . 4 67 . 2 67 . 3 67 . 7 69 . 6	GE 3	60.1 60.4 67.2 67.3	v 15 I G E 2	BILITY GE 1 1/2	1N STAT GE 1 1/4	ÚÍE MIL GE 1	ES GE 3/4	G { 5 / 8	G£ 1/2	CE C/16	GE 1/4	GE Q
9.7 59. 6.C 66.6 6.F 67.6 6.9 67. 7.2 67. 9.1 69. 2.3 72. 3.1 73. 5.4 75.4	59.9 66.2 67.0 67.1 67.4 69.3	6C • 1 66 • 4 67 • 2 67 • 3 67 • 7 69 • 6	60.1 66.4 67.2 67.3 67.7	2 1/2 60.1 66.4 67.2 67.3	60 · 1 66 · 4	60.1	1 1/4	1	3/4	5/8	1/2	°/16	1/4	0
9.7 59.0 6.C 66.2 6.F 67.1 6.F 67.2 67.2 67.4 9.1 69.1 2.3 72.3 3.1 73.4 75.4	59.9 66.2 67.0 67.1 67.4 69.3	6C • 1 66 • 4 67 • 2 67 • 3 67 • 7 69 • 6	60.1 66.4 67.2 67.3 67.7	60.1 66.4 67.2 67.3	60 · 1 66 · 4	60.1	63,1	• • • • • • •	• • • • • • •	•••••	• • • • • •	• • • • • • •	• • • • • • •	
9.7 59.4 6.0 66.6 6.6 67.0 6.9 67.1 7.2 67.1 9.1 69.1 2.3 72.3 3.1 73.6	59.9 66.2 67.1 67.1 67.4 69.3	60 • 1 66 • 4 67 • 2 67 • 3 67 • 7 69 • 6	60.1 66.4 67.2 67.3 67.7	60.1 66.4 67.2 67.3	60 • 1 66 • 4	60.1	69,1							
6.C 66.2 6.R 67.0 6.9 67.7 7.2 67.4 9.1 69.3 2.3 72.3 3.1 73.4 5.4 75.8	66.2 67.0 67.1 67.4 69.3	66.4 67.2 67.3 67.7 69.6	66.4 67.2 67.3 67.7	66.4 67.2 67.3	66.4			60.1	60+1	60.1	60.1	60.1	60.1	64.1
6.C 66.2 6.R 67.0 6.9 67.7 7.2 67.4 9.1 69.3 2.3 72.3 3.1 73.4 5.4 75.8	66.2 67.0 67.1 67.4 69.3	66.4 67.2 67.3 67.7 69.6	66.4 67.2 67.3 67.7	66.4 67.2 67.3	66.4				0				•	- 0 - 4
6.6 67.6 6.9 67.1 7.2 67.4 9.1 69.3 2.3 72.3 3.1 73.4 5.4 75.6	67.0 67.1 67.4 69.3	67 • 2 67 • 3 67 • 7 69 • 6	67.2 67.3 67.7	67.2 67.3		66.4								
6.9 67.1 7.2 67.4 9.1 69.3 2.3 72.3 3.1 73.6 5.4 75.8	67.1 67.4 69.3 72.7 73.4	67.3 67.7 69.6	67.3 67.7	67.3	67.2		66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
7.2 67.4 9.1 69.3 2.3 72.3 3.1 73.4 5.4 75.8	67.4 69.3 72.7 73.4	67.7 69.6	67.7			67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
9.1 69.1 2.3 72.7 3.1 73.6 5.4 75.8	69.3 72.7 73.4	69.6			67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
2.3 72.3 3.1 73.4 5.4 75.8	72 • 7 73 • 4		69.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
3.1 73.4 5.4 75.8	73.4		J U	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
3.1 73.4 5.4 75.8	73.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
5.4 75.8		73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
	75.8	76 . 0	76 · C	76. D	76.0	76.0	76.0	76 • C	76.0	76.0	76.0	76.0	76.0	76.0
		76.7	76.7	76.7	76.7	76.7	76.7	76.7	76 • 7	76.7	76.7	76.7	76.7	76.7
7.0 77.		77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
0.0 80.4	811.6	80.8		86.8	80.8	80.8	80.8	8.04	80.8	80.8	87.8	#J.8	80.8	86.8
1.6 82.		82.3	80.8 82.3	62.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	R2.3	82.3	82.3
3.3 83.9		84.2	84.2	84.2	84.2	84.2	64.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
4.7 95.		85 • 7	85.7	85.7	85.7	95.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85 • 7
7.9 98.		89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	99.1	89.1	89.1
		• •	_											
9.1 89.		90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90 • 3	90.3	90.3	90.3	90.3
														92.8
														93.1
														95.9
3.6 94.1	95.1	95.4	95.9	95.9	95.9	95.9	95.9	95.9	4 4	45.4	45.4	95.9	42.4	42.4
4.2 95.	96.3	96.7	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
4.6 96.	96.6	97.2	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	37.8	97.8	97.8	97.8
5.1 96.9	97.3	97.8	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	78.3	98.3	98.3
5.1 97.	97.6	98.0	98.4	98.4	98.4	98.4	99.4	9.80	98.6	98.6	99.6	98.6	98.6	98.6
5.3 97.	98.0	98.4	98.9	96. 9	98.9	98.9	48.9	99.5	99.5	99.G	99.0	09.0	99.0	99.0
5.4 97.	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
		99.2	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
5.4 97.	98.7	99.2	99.8	99.8	99.0	99.9	99.9	100.0	107.0	100.0	130.3	100.0	100.0	190.0
5.4 97.	98.7	99.2	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5.4 97.9	98.7	99.2	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.J	120.0	100.0	100.0
1123 44555 55555	.2 92.0 .6 92.3 .9 93.9 .6 94.6 .2 95.9 .6 96.3 .1 96.9 .1 97.9 .4 97.9 .4 97.9 .4 97.9	.2 92.0 92.2 .6 92.3 92.6 .9 93.9 94.5 .6 94.6 95.1 .2 95.9 96.3 .6 96.3 96.6 .1 96.9 97.3 .1 97.0 97.6 .3 97.3 98.0 .4 97.9 98.7 .4 97.9 98.7 .4 97.9 98.7	.2 92.0 92.2 92.4 .6 92.3 92.6 92.8 .9 93.9 94.2 94.4 .6 94.6 95.1 95.4 .2 95.9 96.3 96.7 .6 96.3 96.6 97.2 .1 96.9 97.3 97.8 .1 97.0 97.6 98.4 .2 97.9 98.7 99.2 .4 97.9 98.7 99.2 .4 97.9 98.7 99.2 .4 97.9 98.7 99.2 .4 97.9 98.7 99.2	.2 92.0 92.2 92.4 92.8 92.6 92.3 92.6 92.8 93.1 99.5 92.6 93.1 95.9 93.1 95.9 93.1 95.9 93.1 95.9 93.1 95.9 93.1 95.9 93.1 95.9 93.1 95.9 93.1 95.9 93.1 95.9 93.1 95.9 93.1 95.9 93.1 95.9 93.1 95.9 95.9 95.9 95.9 95.9 95.9 95.9 95	.2 92.0 92.2 92.4 92.8 92.8 6.6 92.3 92.6 92.8 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1	.2 92.0 92.2 92.4 92.8 92.8 92.8 .6 92.3 92.6 92.8 93.1 93.1 93.1 .9 93.9 94.2 94.4 94.5 94.9 94.6 .6 94.6 95.1 95.4 95.9 95.9 95.9 .2 95.9 96.3 96.7 97.1 97.1 97.1 .6 96.3 96.6 97.2 97.7 97.7 97.7 .1 96.9 97.3 97.8 98.2 98.2 98.2 .1 97.0 97.6 98.4 98.9 96.9 98.4 .2 97.9 98.7 99.2 99.7 99.7 99.7 .4 97.9 98.7 99.2 99.7 99.7 99.8 .4 97.9 98.7 99.2 99.8 99.6 99.9 .4 97.9 98.7 99.2 99.8 99.6 99.9	2 92.0 92.2 92.4 92.8 92.8 92.8 92.8 92.8 6 92.3 92.6 92.8 93.1 93.1 93.1 93.1 9 93.9 94.2 94.4 94.4 94.9 94.9 94.9 6 94.6 95.1 95.4 95.9 95.9 95.9 95.9 2 95.9 96.3 96.7 97.1 97.1 97.1 97.1 97.1 6 96.3 96.6 97.2 97.7 97.7 97.7 97.7 97.7 1 96.9 97.3 97.8 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98	2 92.0 92.2 92.4 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8	.2 92.0 92.2 92.4 92.8 92.8 92.8 92.8 92.8 92.6 6 92.3 92.6 92.8 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1	.2 92.0 92.2 92.4 92.8 92.8 92.8 92.8 92.8 92.8 92.6 92.8 .6 92.3 92.6 92.8 93.1 93.1 93.1 93.1 93.1 93.1 93.1 .9 93.9 94.2 94.4 94.9 94.9 94.9 94.9 94.9 94	.2 92.0 92.2 92.4 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8	.2 92.0 92.2 92.4 92.8 92.8 92.8 92.8 92.8 92.6 92.8 92.8 92.8 92.6 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8	.2 92.0 92.2 92.4 92.8 93.1 93.1 93.1 93.1 93.1 93.1 93.1 93.1	.2 92.0 92.2 92.4 92.8 92.8 92.8 92.8 92.8 92.8 92.8 92.8

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS ND PEPIOD OF RECORD: 78-87 MONTH: JUN HOURS(LST): 1500-1700 • CEILING VISIBILITY IN STATUTE MILES GE GE 3 2 1/2 65 IN | FEET | G E 4 GE GE GE 2 1 1/2 1 1/4 GE GE 5/16 - ı 1/4 10 3/4 5/8 1/2 Ω NO CEIL | 57.2 57.2 57.2 57.4 57.4 57.4 57.4 57.4 57.3 57.4 GE 200001 65.3 65.3 65.3 65.3 65.3 65 • £ 66 • 1 65.6 65.6 65.6 65.6 65.6 65.6 65 . 6 .66.1 GE 180001 65.9 65.9 65.9 65.9 65.9 65.9 66.0 66.1 66.1 66.1 66.1 66.1 66.1 GE 160001 66.0 GE 140001 66.7 66.0 66.7 66.9 66.0 66.0 66.0 66.0 66.1 66.2 66.2 66.2 66.2 66.2 66.2 66.2 66.9 66.9 66.9 66.7 66.9 66.7 GE 120001 68.6 68.6 68.6 68.6 68.6 69.7 68.8 68.6 6A.8 68.9 68.8 68.8 68.8 GE 102001 71.7 71.7 71 · 7 73 · 2 71.9 71.9 71.9 71.9 71.9 71.9 71.7 71.7 71.7 71.8 71.9 71.9 71.9 90001 73.2 73.2 73.2 77.2 73.4 77.4 77.9 73.4 73.4 73.2 73.2 73.3 77.3 73.4 73.4 73.4 73.4 G E 73.4 73.4 77.2 80001 76.9 77.2 77.2 77•4 77•9 77.4 70001 77.3 77.7 77.7 77.7 77.7 77.8 77.9 77.9 77.9 77.9 77.9 77.9 77.9 GΕ 50001 82.0 82.6 82.6 82.6 82.6 82.6 82.7 82.8 82.R 92.8 87.8 82 • B 82 . A 92.8 82.8 82.8 GE 45001 84.2 94.8 84.8 84.8 64.8 8 . 4 3 84.9 85.0 87.6 85.0 85.D 85.0 85.0 85.2 87.7 85.0 87.7 85.0 87.7 85.0 87.7 87.6 GE 87.2 87.2 89.3 87.2 87.2 87.6 35001 88.7 P9.7 89.7 89.7 89.8 89.B 30001 91.4 92.3 92.6 92.7 92.7 G F 92.2 92.2 92.3 92.3 92.7 92.7 92.7 92.8 92.8 92.8 92.8 93.3 93.7 93.7 93.7 93.A 93.8 93.8 GΕ 25001 92.4 93.2 93.2 93.3 93.3 93.6 93.7 93.7 93.8 94.6 94.6 20001 93.7 94.8 94.8 94.6 95.0 95.1 95.1 95.1 95.2 95.2 95.2 1800| 93.9 1500| 94.8 1200| 95.4 GE 94.9 96.1 95.1 96.3 95.1 96.3 95.4 96.7 95.4 96.7 95.4 95.4 96.7 95.4 94.9 95.1 95.3 95.6 95.6 95.6 95.6 96.0 96.3 96.6 96.8 97.8 96.8 96.8 96.8 97.3 97.2 97.2 97.2 97.4 97.7 97.7 97.7 97.7 97.7 97.8 98.8 94.8 98.8 98.9 98.9 98.9 98.9 (. F 10001 96.1 97.9 98.1 98.3 98.3 96. 3 98.6 98.8 98.8 9001 96.2 98.0 9.0 6 E 98.2 98.3 98.9 90.9 99.3 99.0 99.0 98.4 98.4 98.4 98.7 98.9 98.9 98.9 GE 8031 96.3 98.1 99.0 99.3 99.0 99.0 99.0 99.1 99.1 99.1 99.1 99.6 GE 7031 96.8 98.6 98.8 99.0 99.C 99.C 99.4 99.4 99.4 99.4 99.6 49.6 99.6 6301 96.9 99.0 500| 97.1 99.2 99.4 99.4 99.4 99.9 99.9 99.9 100.0 100.0 100.0 99.7 400| 97.1 300| 97.1 99.C 99.2 99.4 99.4 99.4 99.4 99.7 99.9 99.9 99.9 99.9 99.9 99.9 100.0 100.0 100.0 100.0 GE űΕ 99.9 99.9 2001 97.1 99.0 99.2 99.4 99.4 99.9 99.9 99.9 100.0 100.0 160.0 100.0 GE 1001 57.1 99.0 99.2 99.4 99.4 99.4 99.7 99.9 99.9 99.9 99.9 99.9 100.0 100.0 100.0 100.0 01 97.1

TOTAL NUMBER OF OBSERVATIONS:

99.0

99.2

99.4

99.4

99.4

99.7

99.9

99.9

99.9

90.9

99.9 100.0 100.0 100.0 100.0

GE

PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VICIRILITY FROM HOUPLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

PEPIOD OF RECORD: 78-87 MONTH: JUN HOURS (LST): 1800-2000 •••••• CEILING VISIBILITY IN STATUTE MILES IN | GE FEET | 10 GE GE GE GE GE GE GF 2 1 1/2 1 1/4 1 3/4 5/8 GE 10 1/2 5/16 NC CEIL | 63.2 63.8 63.4 63.6 63.7 63.8 63.B 63.4 63.6 63.6 63.3 63.8 63.8 63.8 63.B 6E 200001 70.0 70.2 70.2 70.3 70.3 70.6 71.0 7C.6 71.0 79.6 70.6 70.6 70.6 70.6 70.6 70.6 70.7 GE 180001 70.4 70.7 70.8 70.8 71.0 71.0 71.0 71.3 71.C 71.0 71.0 71.0 71.0 GE 160001 70.4 GE 140001 71.1 70.7 71.3 71.0 71.7 71.0 71.0 71.7 70.7 70.8 70.8 70.9 71.0 71.0 71.0 71.3 71.0 71.4 71.6 71.3 71.4 71.7 71.7 71.7 71.7 71.7 71.7 71.7 GE 120001 72.4 73.0 72.7 72.8 77.0 73.0 76.8 77.6 87.9 100001 76.1 76.4 77.2 76.4 76.6 76.6 76.7 76.8 76 • P 77 • 6 77.2 77.3 77.3 77.4 77.6 77.6 82.0 GE 77.6 77.6 77.6 77.6 77.6 77.6 81.7 81.7 81.9 82.0 P2.0 GΕ 80001 81.3 81.6 81.8 82.0 82.0 °2.0 82.3 82.0 82.2 84.7 84.4 85.6 70001 84.6 84.7 84.7 84.7 84.7 84.7 84.7 84.7 85,6 85.7 A5.8 85.8 85.8 45.8 P5.6 85.8 85.8 85.8 50001 88.2 89.6 89.6 89.7 69.7 89.8 89.9 A9.9 49.9 89.9 89.9 89.9 89.9 89.9 69.9 GE 89.9 4500| 90.1 4000| 90.9 92.0 93.1 92.0 92.0 92.0 GE 91.4 91.4 91.8 91.8 91.9 92.0 92.3 92.C 92.0 92.0 92.0 GE 92.4 92.9 92.9 93. G 93.1 93.1 93.1 93.1 91.1 92.6 93.1 35001 G F 30001 93.2 95.1 95.2 95.6 95.7 95.8 95.8 95.8 95.8 95.8 95.8 75.9 95.8 95.A 95.8 GĘ 25001 93.8 95.8 95.7 96.1 96.1 96.2 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 96.3 G E 20001 94.0 96.3 96.4 96.6 96.6 96.6 96.6 96.6 96.0 96.3 96.6 96.6 96.6 95.9 96.6 96.6 G F 18CO| 94.2 15uul 94.3 96.1 96.2 96 . 6 96.6 96.7 96 .8 96.8 96.5 96.8 96.9 96.8 96.8 96.8 96.8 96.8 96.3 97.3 97.0 97.0 97.0 97.0 6 E 96 . 8 96.8 96.9 97.0 97.0 97.0 97.0 (, F 10001 95.7 97.8 97.9 98.4 99.6 96. 7 98.9 98.9 98.9 98.9 90.9 98.9 98.9 9001 95.7 98.0 98.0 98 • 9 98 • 8 99.1 99.1 99.1 GE 94.1 98 . 7 98.9 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99.1 8601 95.7 98.1 78.7 99.1 99.1 99.1 99.1 9.80 99.1 99.1 99.1 99.1 99.1 99.6 99.6 99.6 6 E 7001 95.0 78.4 98.5 99.1 99.2 99.3 99.6 99.6 99.6 99.6 99.6 99.7 6 E 5001 96.0 98.4 98.7 99.2 49.3 99.4 99.8 99.9 99.7 99.9 99.9 99.9 99.9 99.9 4001 96.0 3001 96.0 2001 96.0 76.4 98.4 78.4 100.0 6 E 98.7 99.2 99.3 99.4 99.8 100.0 100.0 100.C 100.7 100.0 103.3 100.0 100.0 98.7 99.2 99.3 99.8 99.6 101.1 99.4 100.0 100.0 190.0 100.0 100.3 100.1 100.0 100.0 99.2 100.0 190.0 100.0 100.0 1001 96.0 98.4 98.7 99.3 100.0 σ£ 199.6 100.0 120.0 100.0 11 96.0 GΕ 98.4 99.7 99.2 99.3 99.8 199.0 195.9 190.0 190.9 100.0 190.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIPI'ITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO PERIOD OF RECORD: 78-67 MONTH: JUN HOURS(LST): 2100-2300 VISIBILITY IN STATUTE HILES CFILING GΕ GE GE 1 GE GF GE 2 1 1/2 1 1/4 IN | FEET | 3 2 1/2 r/16 10 6 5/8 1/2 1/4 69.6 69.6 69.6 69.6 NO CEIL | 69.2 69.6 69.6 69.6 69.6 69.6 69.6 69.6 65.6 69.6 74.6 74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0 6E 200001 73.7 74.0 74.0 74.7 74.0 74.C 74.0 GE 180001 74.1 74.6 74.6 74.9 74.6 74.6 74.6 74.6 74.6 74.6 74.9 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 74.6 GE 160001 74.1 GE 140001 74.4 GE 120001 75.7 74.6 74.6 74.6 74.6 74.9 74.6 74.9 74.6 74.6 74 . 6 74.6 74.6 74.6 74.6 74.9 74.9 74.9 74.9 74.9 76 • 1 87.2 GE 100001 79.2 80.0 83.2 80.2 80.2 60.2 80.2 80.2 d0.2 80.2 60.2 93.2 PJ.2 60.2 AC. 2 80.9 84.2 86.9 90001 79.9 80.7 80.9 83.9 84.2 83.9 8 C. 9 80.9 84.2 83.9 RD.9 80.9 47.7 A0.9 h 7.9 P 0 . 9 84.2 86.8 8000| 83.0 7000| 85.6 6000| 86.9 84.2 64.2 84.7 84.2 86.8 88.1 R4.2 84.2 84.2 P4.2 84.2 84.2 86.4 87.8 86.8 86.8 86.4 86.9 86. R 86.8 89.1 86.5 88.1 88.1 A8.1 88.1 88.1 88.1 88.1 98.1 93.0 93.5 94.0 GE 50001 90.7 92.2 93.0 93.0 93.C 93.3 93.C 93.0 73.3 93.0 94.0 95.1 95.9 94.6 45001 91.7 93.2 94.0 94.0 94.0 94.5 95.1 40001 92.6 35001 93.1 95.1 95.1 95.9 95.1 95.1 95.9 95.1 95.1 95.9 95.4 GE 94.2 95.1 95.1 95.1 95.1 95.0 95.9 95.9 96.4 GE 30001 93.7 95.6 96.4 96 . 4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 46.4 96.4 96 • 9 97 • 6 46.9 25001 94.1 76.7 96.9 96.9 96.9 36.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 96.9 97.6 97.6 97.6 97.6 6 E 97.6 97.6 97.6 20031 94.6 97.6 97.6 97.6 97.6 96.7 97.0 97.6 97.8 98.3 98.5 G E 76.9 77.4 97.8 97.6 97.8 97.8 97.8 97.8 97.8 97.A 97.8 97.8 97.8 150/1 95.2 98.3 98.6 98.3 98. 3 98.3 98.3 99.3 98.3 98.3 94.3 99.6 ¥8.6 98 . 6 99.1 10001 95.2 97.8 99.8 99.1 99.1 99.1 99.1 99.1 90.1 99.1 99.1 99.1 99.1 ۲, ۶ 9601 95.3 8001 95.3 78.1 78.1 99.1 99.3 99.4 99.4 99.4 99.4 99.4 99.4 90.4 99.4 99.4 99.4 99.4 99.4 GE 99.4 99.4 99.3 59.4 99.6 99.6 39.6 99.6 99. 6 E 7001 95.3 99.2 99.6 99.6 99.7 6001 95.3 99.3 6 E 78.3 99.6 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 5001 95.3 99.7 98.3 99.3 99.6 99.7 99.7 99.8 99.8 99.8 4001 95.3 3001 95.3 2001 95.7 98.3 98.3 99.3 99.9 90.9 99.5 99.9 99.9 99.9 99.6 99.6 99.7 99.7 99.7 99.9 99.9 99.9 99.7 99.7 99.4 99.9 99.9 GE 99.7 99.9 99.9 99.9 99.9 99.9 99.9 99.6 99.9 100.0 100.0 100.0 100.0 160.0 100.0 G F 1001 55.3 99.6 99.7 99.7 99.9 100.c 100.0 100.0 100.0 100.0 120.0 100.0

TOTAL NUMBER OF OBSERVATIONS: 900

93.3

99.3

99.6

49.7

99.7

99.7

99.9

99.9 100.0 100.0 100.0 100.0 100.0 100.0

21 95.3

(F

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

USAFETAC AIR WEATHER SERVICE/MAC

PEPIOD OF RECORD: 78-87 STATION NUMBER: 727675 STATION NAME: MINOT AFE ND MONTH: JUN HOURS (LST): ALL ILING . VISIBILITY IN STATUTE MILES CEILING . GE GE GE 3 2 1/2 GE GE GE GE 2 1 1/2 1 1/4 1 GE GF GΕ ĿΕ GΕ 1 1/2 5/8 5/16 1/4 0 67.4 63.4 67.4 NO CEIL | 63.3 63.2 63.3 63.3 63.3 63.3 63.4 63.4 61.4 63.4 63.4 63.4 63.4 GE 200001 68.9 69.1 69.2 69.2 69.3 69.3 69.3 69.3 69.3 69.3 69.3 69.3 69.3 69.3 69.3 69.3 69.8 69.8 69.8 69.8 69.8 GE 180001 69.4 GE 160001 69.4 69.6 69.6 69.7 69.7 69.7 69.7 69.8 69.8 69.8 69.8 69.7 69.8 69.8 69.8 69.8 69.8 69.8 69.8 69.8 69.8 69.8 €9.8 69.8 70.3 70.4 72.1 GE 140001 70.0 70.2 70.3 70.3 77.3 70.4 73.4 70.4 70.4 79.4 70.4 79.4 70.4 72.0 72.0 72.1 6E 120001 71.7 71.9 72.0 75.7 76.7 75.8 75.5 75.6 75.7 GE 100001 75.2 75.7 76.8 60.8 82.7 83.7 GE 90001 76.2 GE 80001 80.0 76.8 74 . R 76.6 76.7 76.7 76.8 76.8 76.8 80.8 76.8 76 . 8 76.8 76.6 76.8 PC.8 P2.7 P3.7 PG.5 8 n • 7 8 2 • 6 80.7 87.8 82.7 8G.8 82.7 80.8 80.8 PO.8 82.7 80.8 80.8 82.7 80.9 8 C . B 70001 61.8 82.4 82.6 82.7 GE 60001 62.7 83.4 83.5 83.7 B 3. 7 83.7 83.7 83.7 83.7 H 7 . 2 G E G F 87.2 87.2 97.2 P7.2 50001 85.7 96.7 87.0 87.1 67.1 A 7. 1 87.2 87.2 87.2 87.2 67.2 89.6 89.8 91.3 88.6 89.8 80.6 88.6 99.8 91.0 45001 A7.0 88.1 88.3 88.6 89.6 88.4 88.5 88.6 88.6 88.5 88 · 6 GE 47001 68.0 35001 89.0 89.2 89.5 69.6 89.8 89.6 89.8 89.8 91.0 89.6 91.0 90.9 91.0 91.0 91.0 91.0 91.0 uξ 90.7 91.C 91.0 93.4 90.8 97.1 92.7 92.7 G F G F 25001 91.3 92.8 93.2 93.3 93.4 93.4 93.5 93.5 93.5 93.5 97.5 93.5 93.5 03.5 93.5 93.5 2000| 92.3 1800| 92.6 93.9 94.3 94.6 95.1 94.6 95.1 94.7 94 • 7 95 • 2 94.7 95.2 95.4 94.3 94.4 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.7 94.9 95.2 95.2 75.2 95.2 95.2 95.2 95.2 95.2 GΕ 96.1 96.3 96.4 GE 15001 93.5 95.4 96.3 96 .4 96.4 96.4 96.4 96.4 96.4 96.4 96.4 17001 94.1 97.2 97.2 97.2 96.1 96.6 Ŀ £ 96 . 6 97.1 96.7 97.8 97.9 97.9 10001 94.4 97.5 97.8 97.9 97.9 97.9 9001 94.6 97.6 99.4 9º.6 98.4 98.7 98.4 97.0 97.9 98.2 98.2 98.3 98.3 98.4 98.4 98.4 98.4 GE 97.2 98.1 98.4 98.7 98.4 98.7 9 R . 6 98.6 98.6 98.6 98.6 98.7 99.7 98.7 7001 94.9 98.3 98,8 90.9 98.9 98.9 98.9 95.9 98.8 98.8 99.0 99.2 GE 6001 95.0 97.6 98.3 98 . 6 99.0 99.1 99.2 99.2 99.2 99.2 99.2 99.2 49.2 99.2 99.5 G E 5001 95.1 97.8 98.6 99.0 99.4 99.4 99.6 99.6 99.7 99.7 99.7 99.7 99.7 99.7 99.7 4001 95.1 97.8 99.5 99.6 99.8 99.8 99.6 99.9 99.8 99.9 09.9 99.9 99.9 6 E 98.6 99.0 99.4 3001 95.1 97.9 98.6 99.1 99.5 99.5 99.7 99.8 99.A 99.6 99.9 99.9 99.9 99.9 99.9 99.9 99 9 99.9 09.9 99.9 2001 95.1 77.9 98.7 99.1 99.5 79.5 99.7 99.8 49.8 99.9 99.9 99.9 1001 95.1 99.5 100.0 99.5 100.0 100.0 GE 31 95.1 97.9 98.7 99.1 99.8 99.9 99.9 99.9 100.0 100.0 100.0 100.0 99.5 99.5 99.7

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

S 7	4710				-	ON NAME:							MONTH		HOURS	(LST):	0000-02	00	
Ċ F	ILING		• • • • • •	• • • • • • • •	••••	• • • • • • •	• • • • • • •		V 15 I	RILITY	IN STATE	ITF MII	FS	• • • • • • •		• • • • • • •	• • • • • • •		• • •
F	IN EET	1 1	GE 10	GE 6	G E S	G E	GE 3	GE 2 1/2	G E 2	GE 1 1/2	G£	GE 1	GL 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE C	
• •	• • • •	• • • •	• • • • • •	• • • • • • • •	•••••	• • • • • • • •	• • • • • •	•• •••	• • • • • •	•••••	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • • •	• • •
N C	CE11	L	69.9	70.9	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71,5	71.7	71.7	71.7	71.7	
GE	200	100	75.8	76.8	77.1	77 • 2	77.2	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.6	77.6	77.6	77.6	
6.5	180	100	76.2	17.2	77.5	77.5	77.6	77.6	77•7	77.7	77.7	77.8	77.8	77.8	79.1	78.1	78.1	78.1	
			76.2	77.2	77.5	77.6	77.6	77.6	77.7	77.7	77.7	77 • 8	77.R	77.8	78 - 1	76.1	78.1	78.1	
			76.9	77.8	78.2	76.3	78.3	78.3	78 • 4	78.4	78.4	78.5	70.5	79.5	78 • 7	78.7	78.7	70.7	
GE	1200	וסכ	79.0	8 3 • 1	80.4	80.5	80.5	80.5	8ე•6	90.6	89.6	aC.8	87.8	83.8	81.C	°1.0	81.0	6 1 • D	
6 F	1000	נממ	82.5	93.5	84.0	84.1	84.1	24.1	84 • 2	E4.2	84.2	84.3	84.3	84.3	84.5	94.5	84.5	84.5	
GE			83.9	84.9	85.4	95.5	65.5	85.5	85.6	85.6	85.6	85.7	85.7	85 • 7	85.9	A5.9	85.9	85.9	
6.5			86.8	88.0	88.5	68.6	88.6	88.6	88 47	38.7	88.7	88 . 8	88.8	88.8	89.0	P9.0	89.0	89.0	
GE			68.8	90.C	99.5	90.6	90.6	90.6	90.8	90.8	93.8	90.9	97.9	90.9	91.1	91.1	91.1	91.1	
GE	600	i so	69.6	90.8	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.6	91.6	91.6	91.8	91.8	91.6	91.8	
6 E	5.01	וחמ	97.6	92.0	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.9	92.9	92.9	93.1	93.1	93.1	93.1	
GE			91.5	93.1	93.7	93.8	93.8	93.6	93,9	93.9	93.9	94.0	94.3	94.0	94.2	94.2	74.2	94.2	
ن <u>د</u>			91.7	94.0	94.6	94.9	95.2	95.2	95.3	95.3	95.3	95.4	95.4	25.4	95.6	25.6	95.6	75.6	
6 E			92.3	94.5	95.2	95.5	95.7	95.7	95.8	95.8	95.8	95.9	95.9	95.9	96.1	96.1	96.1	6.1	
6 €			93.3	95.7	96.5	96.8	97.0	97.6	97.1	97.1	97.1	97.2	97.2	97.2	97.4	97.4	97.4	97.4	
GE	251	en i	93.8	96.2	97.0	97.3	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	99.0	7á.3	98.0	96.0	
66			93.9	96.3	97.1	97.4	97.6	97.6	97.7	97.7	97.7	97.8	97.0	97.8	98.1	78.1	98.1	98.1	
6 E			93.9	96.3	97.1	97.4	97.6	97.6	97.7	97.7	97.7	97.8	97.R	97.8	98 • 1	98.1	98.1	96.1	
G E			94.1	96.6	97.3	97.6	97.8	97.8	98.0	98.0	98.3	98.1	98.1	98.1	98.3	98.3	98.3	98.3	
6.8			94.2	96.8	97.5	97.8	98.1	98.1	98.2	98.2	98.2	9g • 3	90.3	98.3	98.5	96.5	98.5	98.5	
6 5		ca I	94.5	97.1	97.8	98.2	99.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	28.8	0	94.8	98.8	
GE			94.5	97.3	96.1	98.4	99.6	98.6	99.7	98.7	96.7	98.8	98.8	98.8	99.7	98.8 99.0	99.0	99.0	
5 F			94.7	97.3	98.1	98.4		78.6	98.7	98.7	98.7	98.8	99.8	98.9	99.0	99.0	99.0	99.0	
6.6			54.9	97.5	98.3	98.6	98.6	98.8	99.9	98.9	y8.9	99.C	90.0	99.0	99.2	99.2	99.2	99.2	
GE			95.2	97.7	98.5	98.69	99.3	99.0	99.1	99.1	99.1	99.2	90.2	99.2	99.5	99.5	99.5	99.5	
	_																		
G E			95.2	37.7	98.5	98 • 8	99.C	79. €	99.1	99.1	99.1	99.5	99.2	99.2	99.5	99.5	99.5	99.5	
G F			95.2	97.7	98.5	98.8	69.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.5	99.5	99.5	99.5	
ا ن			95.4	98.0	98.7	99.1	99.4	99.4	99.5	99.5	99.5	99.6	90.6	99.6	99.A	99.8	99.8	99.8	
GE			95.4	38 • C	98.7	99.3	99.4	99.5	99.6	99.6	99.6	99.7	90.7	99.7	130.5	100.0	100.0	150.0	
G E	. 11	00	95.4	98.0	99.7	99.0	59.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	
6.5		01	55.4	98.0	98.7	99.3	99.4	79.5	99.6	99.6	99.6	99.7	99.7	99.7	139.5	100.0	100.0	100.0	

PERCENTAGE FREQUENCY OF GCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS ND

							T AF3 N					MONTH		FOURS	(LST):		
EILIN		•••••	• • • • • •	• • • • • • •	• • • • • •					IN STATE			• • • • • • •	• • • • • • •	•••••	• • • • • •	•••••
IN	- 1	CE	GE	GE	GE	GE	GE	G£	GE	GE	49	UF	GE	3.0	G٤	GŁ	GE
FEE 1		10	6	5	4		2 1/2		1 1/2		1	7/4	5/8	1/2	5/16	1/4	0
0 CE1			66.3	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.3	67.3
E 2001	rat	A Q . R	71.2	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	12.3	72.0	72.0	72.2	72.2
E 180			71.9	72.5	72.6	72.7	72.7	72.7	72.7	72.7	72.7	77.7	72.A	72 • A	72.8	72.9	72.9
E 160			71.9	72.5	72.6	72.7	12.7	12.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.9	72.9
E 142			72.7	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.7	73.7
E 120			74.0	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74 . 7	74.7	74.8	74.8	74.8	74.9	74.9
E 130	001	77.7	79.2	79.9	86.0	87.1	80.1	87.1	80.1	60.1	A0.1	80.1	40.2	80.2	PD.2	60.3	80.3
E 90	001	79.2	80.8	81.4	81.5	81.6	81.6	81.6	81.6	81.6	91.6	81.6	A1.7	81.7	81.7	81.8	P1.8
E 81	001	83.5	95.2	85.8	85.9	86.3	86.5	86.0	86.0	66 • C	P6.0	86.3	86.1	86.1	R6.1	86.2	86.2
€ 70	601	64.7	36.6	87.2	87.3	67.4	87.4	87.4	87.4	07.4	F7.4	87.4	87.5	87.5	97.5	87.6	87.6
E 60	col	86.6	88.4	C. 98	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.7	89.4	89.4	89.4	89.5	89.5
E 50	001	88.1	90.0	90.8	90.9	91 • G	91.0	91.0	91.0	91.7	91.0	91.7	91.1	91.1	91.1	91.2	91.2
		88.7	90.6	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.6	91•d
. 40	CCI	89.2	91.6	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8	92.6	42.9	92.9
		89.4	41.7	92.6	92.7	92.8	92.8	92.8	92. 9	92.8	92.5	97.4	92.9	92.9	92.9	93.C	93.C
E 30	001	89.7	92.4	93.2	93.4	93.7	93.7	93.7	93.7	93.	93.7	97.7	93.8	93.8	93.8	93.9	03.9
		90.3	93•€	93.9	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.5	94.4	94.4	94.4	94.5	94.5
		91.0	93.9	94.7	94.9	95.2	95.2	95.2	95.2	95.2	95.2	90.2	95.3	95.3	95.3	95.4	95.4
		91.5	74.4	95.3	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.9	95.9
		91.8	94.7	95.6	95.8	96.0	96. C	96.0	96.0	96.7	96.0	96.7	96.1	96.1	96.1	96.2	66.5
E 12	00 I	92.7	95.6	96.6	96 • b	97.0	97.0	97.5	97.C	97.0	97.0	97.0	97.1	97.1	97.1	97.2	97.2
10	100	92.9	95.9	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.5	97.6
E 9	100	93.1	96.1	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.0	97.6	97.6	97.7	97.8
		93.2	96.2	97.2	97.4	97.6	97.€	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.8	98.0
		93.5	96.8	97.7	98.0	98.2	98.2	99.2	98.2	98.2	98.2	98.5	98.3	99.3	98.5	98.4	96.5
E 6	001	93.7	96.9	97.8	98.1	98.5	98.3	98.3	98.3	98.3	98.3	98.3	08.4	99.4	98.4	98.5	98.6
		93.9	37.2	98.2	96.4	99.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.9	98.8	98.9	99.0
		91.9	97.2	98 • 2	98 . 4	98 • 7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	94.8	98.8	98.9	99.0
		94.1	97.4	98.6	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.6
		94.3	97.6	98.8	99.0	99.4	99.5	99.5	99.5	99.	99.5	99.5	99.6	99.7	99.7	99.8	99.9
1	nal	94.3	97.6	98.8	99.0	99.4	96.5	99.6	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.9	120.0
:	at	94.3	27.6	98.8	99.0	99.4	94.5	99.6	99.6	99.6	99.5	99.6	99.7	99.8	99.8	99.9	100.0

PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC				
STATION NUMBER: 727675	STATION NAME:	MINOT AF3 ND	PERIOD OF RECO	RD: 78-87 +OURS(LST): 0600-0800

CEI	LING	• • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	******		 (BILITY				• • • • • • •	• • • • • •	• • • • • •	• • • • • •	•••••
1	N	GΕ	GE	GΕ	GE	GΕ	GE	GF	GΕ	GE	GE	GE	GE	GE	GE	G£	32
Fξ	ET Î	10	6	5	4		2 1/2		1 1/2			3/4	5/8	1/2	5/16	1/4	0
			• • • • • •														
N O	CEIL I	60.C	61.1	61.3	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	€1.9	61.8	61.8
6 5	200001	65.4	67.D	67.2	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.9	67.8	67.8	68.3	68.0	66.0
GE	180001	65.6	67.2	67.4	67.7	68.3	58.1	68.1	68.1	68 • 1	60.1	68.1	68.1	68.1	68.2	68.2	68.2
GE	160001	65.6	67.2	67.4	67.7	68.0	68.1	69.1	68.1	68.1	68.1	6º • 1	68.1	68.1	68.2	68.2	68.2
GE	140001	67.2	68.5	69.0	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8
GE	120001	68.8	70.4	70.6	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4
6 E	100001	73.1	75.1	75.4	75.7	76.3	76.1	76 • 1	76.1	76 • 1	76.1	76.1	76.1	76.1	76.2	76.2	76.2
GE	90001	74.5	76.6	76.9	77.3	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.6
GE	80001	78.6	93.8	81.1	91.5	81.8	81.9	81.9	81.9	81.9	91.9	81.9	81.9	81.9	62.0	82.0	P 2 • G
GE	70001	£3.5	82.9	83.2	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84 1	84.1	94.2	84.2	P4.2
GE	6000 1	82.7	64.7	85.1	e5 • 5	85 • 8	85.9	85.9	85.9	85.9	95.9	85.9	85.9	85.9	86.J	86.0	86.0
GE	50001	83.9	86.5	86.8	87.3	87.6	87.8	87 . R	87 • 8	67 · 8	87.8	87.8	87.8	87.8	98.J	83.0	6.8
6.6	45001	84.6	87.3	87.6	88.2	88.5	98.7	88.7	88.7	88.7	98.7	89.7	88.7	88.7	98.8	88.8	88.8
ĞĒ	40001	65.9	98.6	88.9	69.5	89.8	9 C • G	90.0	90.0	90.0	90.0	91.0	90.0	70.3	90.1	90.1	70.1
Ú€	35001	86.0	8 8.9	89.2	89.8	90.1	90.3	90.3	90.3	90.3	90.3	97.3	90.3	99.3	90.4	90.4	70.4
Ģ€	30001	87.4	93.4	90.8	91.3	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.2	92.2	92
6 €	25 00 1	87.6	95.8	91.2	91.7	92.2	92.4	92.4	92.4	92.4	92.4	97.4	92.4	92.4	92.6	92.6	92.6
GE	20001	88.7	91.9	92.4	92.9	93.3	93.5	93.5	93.5	93.5	93.5	97.5	93.5	93.5	93.8	93.8	93.6
GΕ	1800		92.0	92.5	93.3	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.9	93.9	93.9
G E	15001	2.69	72.5	92.9	93.4	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.4	94.4	94_4
GĘ	12001	89.7	93.2	93.7	94.2	94.6	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	95.2	95.2	95.2
GE	16001	90.0	93.7	94.1	94.6	95.1	95.3	95.3	95.4	y5.4	95.4	94.4	95.4	95.4	95.6	95.6	95.6
υ£	9001	90.0	93.7	94.1	94.6	95.1	95.3	95.3	95.4	95.4	95.4	90.4	95.4	95.4	25.6	95.6	95.6
GΕ	8001	93.1	93.8	94.2	94 . 8	95.3	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.8	95.0	95.6
GΕ	7001	93.4	94.3	94.7	95.4	95.8	96. C	96.0	96.2	96.2	96.2	96.3	96.2	26.2	96.5	96.5	96.5
€€	6001	90.6	95.1	95.5	96.2	96.8	97.ú	97.0	97.2	97.2	97.2	97.2	97.	≠7 • 2	97.4	97.4	97.4
GE	5001	91.0	95.4	95.8	96.6	97.1	97.3	97.3	97.5	97.5	97.5	97.	97.5	97.5	97.7	97.7	97.7
GE	4 50 (91.5	96.2	96.9	97.7	98.3	96.5	98.5	98.7	98.7	98.7	40.7	98.7	98.7	96.9	99.9	96.9
GΕ	3001	91.8	96.6	97.3	98.3	98.8	99.0	99.0	99.2	99.2	99.7	99.4	99.4	99.4	99.6	99.6	99.6
GE	2001	91.8	96.6	97.3	96.3	98.8	49.0	99.3	99.2	19.2	49.2	99.4	99.4	99.4	99.6	99.6	99.7
υ£		91.8	96.6	97.3	98.3	98.5	99.C	99.0	99.2	99.3	99.2	99.4	09.4	99.4	99.6	99.6	99.7
GE	31	91.8	96.6	97.3	98 • 3	98.6	99. C	99.0	99.7	99.2	99.2	90.4	99.4	99.4	99.6	99.7	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE ND PERIOD OF RECORD: 78-87 VISIBILITY IN STATUTE MILES MONTH: JUL HOURS (LST): 0900+11CE Gε 5 CELLING ELLING IN | GE FEET | 10 GE GE 3 2 1/2 GE GE GE GE GE 2 1 1/2 1 1/4 1 7/4 GE 6 GΕ 4 1/2 5/16 5/8 1/4 0 66.7 NO CEIL | 66.3 66.7 66.7 66.7 66.7 66.7 66 . 7 66.6 GE 200001 70.8 71.0 71.0 71 . C 71.1 71.1 71.1 71.1 71.1 71.1 71.1 71.3 71.1 71.1 71.1 71.1 71.1 GE 180031 71.0 71.2 71.3 71.3 71.3 71.3 71.2 71.2 71.3 71.3 71.3 71.3 71.3 71.3 71.3 71.4 72.4 71.5 72.5 71.5 72.5 71.5 72.5 71.5 GE 160001 71.7 71.4 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 GE 140001 72.0 72.5 72.5 72.5 72.5 72.5 74.0 74.0 74.G GE 100001 77.6 78.1 78 - 1 78 • 2 76.2 78.2 78.2 78.2 78.2 78.2 78.2 79.2 78.2 76.2 8ú•1 93•1 84•5 GΕ 90001 79.4 80001 82.4 8 0 . D 80.0 83.0 80.0 83.0 83.1 80.1 80.1 80.1 80.1 83.1 80.1 83.1 83.1 90.1 82.1 AC.1 83.1 84.5 86.3 8 3 • C 83.1 83.1 83.1 83.1 GE 20001 63.8 84.4 84.4 84.4 84.5 P4 . 5 84.5 84.5 A4.5 P4.5 84.5 F4.5 66.3 86.3 86.3 86.2 86 . 2 86.3 60001 85.4 86.2 86.3 86.3 86.3 86.3 26.3 50001 87.1 98.0 88.0 88.0 88.1 88.1 88.1 88.1 88.1 R8 . 1 88.1 88.1 6.F 4500| 87.1 4000| 87.8 38.0 88.C 88.7 88.0 88.1 88.1 88.8 88.1 88.1 98.1 88.1 88.1 88.1 88.8 F8.1 F8.8 80.1 88.1 88.7 65,R e 8 . 8 6 E 86.8 86.8 88.8 89.4 89.4 35001 89.4 99.2 89.2 89.2 89.4 85.4 89.4 89.4 99.4 89.4 R7.4 89.4 R9.4 93.9 GE 30001 89.8 90.6 90.6 90.6 90.6 90.9 90.9 90.9 90.9 90.9 90.9 93.9 90.9 90.9 90.9 GE 25001 90.4 91.3 91.3 91.5 91.5 92.9 91.5 92.9 91.5 +1.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 20501 91.8 92.7 92.7 92.7 92.8 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92.9 93.3 94.3 93.1 93.1 93.1 GF 18001 91.9 92.9 92.9 93.1 93.1 93.1 93.1 93.1 73.1 93.1 93.1 94.4 94.4 15001 92.8 94.1 12001 94.0 95.5 95.7 95.8 95.8 95.8 95.8 95.8 95 . A 95.8 95.8 GE 10a01 94.3 95.8 96.1 96.1 96.3 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 9001 95.1 96.7 97.3 97.0 97.3 97.3 97.6 97.3 GE 97.2 97.3 97.3 97.6 97.3 97.6 97.3 97.3 97.3 97.3 97.3 8 CO | 95 . 3 97.0 97.3 97.3 97.5 97.6 97.6 97.6 97.6 97.6 7001 96.1 97.8 98.3 98.3 98.5 98.6 98.6 98.6 98.6 GE 98.6 98.6 98.6 98.6 98.6 98.6 78.6 6001 96.3 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.9 99.7 99.1 GE 5001 96.6 98.5 98.9 98.9 99.1 99.2 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 4001 96.6 3001 96.9 98.6 98.9 99.0 99.4 99.2 99.6 99.4 99.7 99.6 99.9 99.6 99.6 99.6 99.6 GE 99.0 99.6 99.6 99.6 99.6 99.6 99.4 99.9 GΕ 99.9 99.5 99.9 99.9 GE 2001 98.9 99.4 99.4 99.7 100.0 100.0 100.0 100.0 GE 1001 96.9 98.9 99.4 99.4 99.6 99.7 99.9 99.9 99.9 95.9 102.0 100.0 100.0 100.0 100.0 100.0 GE 01 96.9 78.9 99.4 99.4 99.6 09.7 99.9 99.9 10m.n 1mm.n 10m.n 100.0 100.0 100.0 99.9 99.9

TOTAL NUMBER OF OBSERVATIONS: 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

														(LST);		
ILING							V 1 S I	BILITY	IN STAT	UTE MIL	E S					•
	GE	GΕ	GE	6E	GE	GE	GE	GE	GE	GE	G L	GE	G€	3.0	GE	GE
	10	6	5	4		2 1/2		1 1/2		1	3/4	5/8	1/2	-/16	1/4	٥
••••	• • • • •	• • • • • •	• • • • • • •	• • • • • •	•••••	•••••	• • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • •	•••••	• • • • • • •	•••••	• • • • • •	•••••
CEIL	62.9	62.9	62.9	62.9	62.9	62•9	62.9	62.9	62.9	62.9	67.9	62.9	62.9	62.9	62.9	62.9
20000	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
180001	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	67.4	69.4	69.4	69.4
16000	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
14507	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71-1
120001	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
10000	79.1	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
9000	80.8	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	91.2	81.2	81.2	81.2	61.2
	83.3	83·8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	93.9	83.9	83.9	83.9	A3.9	83.9	A 3
70001	84.5	94.9	84.9	85.1	85.1	85.1	85.1	85.1	85.I	85.1	85.1	95.1	85.1	85.1	65.1	A 5
60001	85.4	85.8	85.9	86 • O	86.0	86.0	86.0	86. D	86.0	86 • O	86.0	86.0	96.3	86.0	86.D	86.0
5000	87.4	87.8	88.1	88 • 2	88.2	96.2	88.2	88.2	88.2	88.2	80.2	88 • 2	88.2	88.2	89.2	98.
4500	89.3	88.7	88.9	89.0	89.C	89.0	89.0	89.0	89.0	89.0	89.3	89.C	89.C	89.0	89.C	89.
40001	89.5	69.9	90.1	90.2	90.2	9C• 2	90.2	90.2	913.2	90.2	97.2	90.2	90.2	90.2	90.2	96.
3500	90.9	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.
3000	93.2	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.
2500	94.4	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.
2000	95.9	96.7	96.9	97.3	97.0	97. C	97.0	97.0	97.0	97.C	97.0	97.3	97.3	97.0	97.0	97.
18 00	96.5	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.
	97.1	97.8	98.1	98.2	98.2		98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.
1260	97.4	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	9ª • 7	98 • 7	98.7	98.7	98.7	98.
	97.6	98+6	99.0	99 • 1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	79.1	99.1	99.1	99.
	97.7	98.7	99.1	99.2	99.2	99.2	99.2	99.2	79.2	99.2	99.2	99.2	99.2	99.2	49.2	99.
	97.8	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	59.4	39.4	99.4	99.4	39.
	99.€	99.0	99.6	99.7	99.7	99.7	99.7	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.
600	99.0	99.C	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.
	98.0	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.
_	98.0	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	90.7	99.7	99.7	99.7	99.7	99.
	98.€	99.0	99.7	99.8	100.0	1 70.0	100.0	100.0	100.C	100.C	100.0	100.0	100.0	700.0	100.0	100.0
	98.0	99.0	99.7	99.8	100.0	1 00- 0	100.0	100.0	100.0	100.0	100.0	170.0	100.0	179.0	100.0	100-1
160	98.0	99.0	99.7	99.8	100.0	170.0	100 · C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

S TA	TION N	UMBER:	727675	STATI	ON NAME	: MI NO	T AF3 N	D					OF PEC		-87 (LST):	1500-17	co
		• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	•••••						• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • • • • • • • • • • • • • •
	LING		er						BILITY GE	IN STAT	GE GE	ES SE		6.5			
	N ET	GE 10	GE 6	GE 5	GE 4	GE,	GE 2 1/2	GE	1 1/2		6E 1	5/4	GE 578	GE 1/2	GE 5/16	GE 1/4	G G
	• • • • • •																
• • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •						•••••	•••••	• • • • • • •	• • • • • • •	• • • • • • •	•••••
N O	CEIL I	62.5	62.5	62.5	62.5	62.5	62,5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE	200001	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71 • 7	71.7	71.7	71.7	71.7
GE	180001	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	77.5	72.5	12.5	72.5	72.5	72.5
GE	160001	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	12.5
GE	145001	73.9	73.9	13.1	73.9	73.9	73.9	73.9	73.9	73.9	73.9	77.9	73.9	73.9	73.9	73.9	73.9
G E	120001	75.4	75.4	75.5	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
-										•							
GΕ	100001	83.5	80+6	8 C . 6	86.6	80.6	50∙6	80.6	83.6	80.6	80.6	80.6	80.6	80.6	PO • 6	80.6	8 G • 6
GE	90001	82.5	92.6	82.6	82.6	82.6	82.6	82.6	82.6	02.6	82.6	82.6	82.6	82.6	92.6	82.6	82.6
GE	60001	86.3	86.6	86.6	86.6	86.6	86.6	86 .6	86.6	86.6	86.6	86.6	86.6	86.6	26.6	86.6	86.6
GE	70001	88.1	P8.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	°8 • 3	88.3	98.3	88.3	88.3	68.3	88.3
GE	60001	89.€	89.8	89.8	8.63	69.8	89.8	89.8	89.8	89.8	89.8	80.8	89.8	89 • 8	89.8	8.08	89.8
	50001								91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE	50001		91.9	91.9	91.9	91.9	91.9	91.9			-		92.6		92.6	92.6	92.6
GE	45001		92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6		92.6			
GE	40001		94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	04.5	94.5	94.5
ĿΕ	35 00 [97.0	97.ü	97 • J	97.3	97.0	97.0	97.0	97.0	97.C	97.3	97.0	97.0	97.0	97.0	97.0
C E	30001	98.1	98.4	98.4	98 • 4	98.4	96.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
υE	25001	98.1	98.4	98.4	98.4	98.4	96.4	98.4	98.4	98.4	98.4	99.4	98.4	98.4	98.4	99.4	95.4
6 8	20001	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	78.6	98.6	98.6	98.6	9.6	98.6	96.6
3.0	19031	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	90.7	98.7	98.7	98.7	98.7	98.7
6 E	15001	98.7	99.0	99.0	99.3	99.€	99.C	99 • C	99.0	99.7	99.5	99.0	99.0	39.0	9.0	99.0	99.0
GE	12001	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	90.7	99.2	99.2	99.2	99.2	94.2
				56	- 0 .						00.4	00 "		00 1	99.4		00.6
G E	1,001		99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4		99.4	99.4
υE		98.8 98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
3.0			79.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE		98.9	79.5	99.7	99.7	99.7	79.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	97.7	99.7	99.7
C E	6 30 1	98.9	79.7	99.9	99.9	99.9	99.9	99.9	99.5	99.9	99.5	93.9	99.9	99.9	99.9	69.9	99.9
6 F	5001	98.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GΕ	4.01	98.9	99.7	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	97.9	99.9	99.9	99.9	99.9	99.9
GΕ	3001	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	160.0	100.0	107.0	100.0	100.0	170.0	100.0	176.5
6 ~		99.9	99.8	100.0	100.0	100.0	1 10.0	100.0	100.0	100.0	100.0	100.0	100.0	130.0	100.0	100.0	176.0
GΕ	100	98.9	99.8	100.0	100.3	100.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	133.0	100.3	130.0	100.0
	٠.		00.0														
GΕ		98.9	79.8	100.0		100.0			100.0						1,0.0	100.0	100.0
• • •		• • • • • •	• • • • • •	• • • • • • •		• • • • • • •		• • • • • • •					• • • • • • •		• • • • • • •	• • • • • • •	• • • • • • • • • • •

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PEPICO OF PECORD: 78-87 MONTH: JUL HOURS(LST): 1800-2000 CEILING VISIPILITY IN STATUTE MILES

GE GE GE GE
C 1 1/2 1 1/4 1 3/4 GE GE IN | GE FEET | 1G GE 6 G E 5 GF 5/8 GE GE 1/2 5/16 GE 1/4 - 73 NO CEIL | 70.1 70.4 70.4 70.4 70.4 73.4 70.4 70.4 70.4 70.4 70.4 79.4 70.4 70.4 GE 200001 79.4 79.7 79.7 79.7 79.7 79.7 79.7 GE 180001 80.2 PO.5 80.5 90.5 8g.5 83.5 €0.5 €0.5 80.5 80.5 80.5 PD . 5 8°.5 80.5 83.5 80.5 80.5 P (. 5 80.5 GE 160001 87.2 80.5 80.5 80.5 80.5 20.5 80.5 50.5 81.3 90.5 80.5 61.3 80.5 GE 140001 61.0 91.3 81.3 81.3 81.3 GE 120001 62.0 83.4 83.4 83.4 83.4 £ 3. 4 83.4 83.4 83.4 83.4 A 3 . 4 83.4 £ 3 . 4 GE 10000| 86.7 87.3 87.3 89.5 87.4 67.4 F8,8 92.8 94.3 87.4 88.8 87.4 R 7 . 4 87.4 47.4 87.4 A7.4 87.4 97.4 07.4 A 7 - u 90001 87.7 P8.4 88.6 8,88 88.8 92.8 94.3 AH.8 9.8 90.0 88.8 89.8 88.8 88.8 8 · 8 9 2 · 8 92.5 92.8 92.8 97.8 94.3 92.8 80001 91.2 92.4 92.6 92.8 92 • R 92.8 92.6 7000 | 92.7 6500 | 93.8 93.9 94.1 94.3 94.3 94.3 94.3 94.3 45.4 95.4 GF 50001 94.7 96.7 96.9 96.2 96.3 96.5 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 96.7 45001 94.9 GE 76.5 96.9 96.9 96.9 95,9 96.6 96.7 96.9 96.9 96.9 96.9 96.9 96.9 96.9 98 . C 98.0 98.5 GE 40001 95.8 97.4 97.5 97.7 98.5 98.J 98.6 90.3 98 . C 99.3 96.0 6 E 35001 96.5 98.2 98.3 98.5 98.7 98.7 99.7 98.7 46.7 98 - 7 98.7 98.7 98.7 99.7 98.7 99.1 99.1 99.1 98.9 99.1 G F 25001 97.1 99,4 99.4 99.4 90.4 99.4 99.4 98.8 GE 20001 97.3 99.3 99.4 99.6 99.6 99.6 99.6 99.6 99.6 90.6 99.6 99.6 99.6 99.6 99.6 18001 97.3 99.0 99.1 99.6 99.6 99.6 99.6 99.6 99.6 99.6 93.6 09.6 6 E 99.6 99.5 99.6 97.3 99.6 99.6 99.6 99.6 49.6 9.6 GΕ 12001 97.3 99.0 99.1 99.4 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 GE 10001 97.3 99.1 99.2 99.5 99.7 99.7 49.7 99.7 99.7 22.7 99.7 99.7 94.7 99.7 99.7 47.7 99.7 99.8 99.8 9001 97.3 99.1 99.5 99.7 99.7 99.7 99.8 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 G E 99.4 CE 8001 97.3 99.1 99.6 99.8 99.8 99.8 90.0 99.8 99.8 99.8 99.8 99.4 99.9 99.8 99.8 99.8 99.8 7001 97.3 99.1 99.4 99.6 99.8 39.6 99.8 99.9 9.8 99.8 6001 5001 97.3 G F 99.1 99.4 99 . € 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 173.3 100.0 170.3 4001 97.3 79.1 99.4 GΕ 99.6 99.8 99.8 100.0 100.0 100.0 137.7 100.0 130.0 100.0 100.0 100.0 1.0.0 100.0 160| 97.3 200| 97.3 99.1 99.4 99.6 99.8 99.8 100.0 100.0 170.0 100.0 130.0 100.0 100.0 100.0 99.1 99.4 100.0 100.0 GE 99.6 99.8 99.8 100.0 100.0 100.0 100.0 100-0 100.6 100.0 1001 97.3 99.6 99.8 100.0 100.0 100.0 170.0 103.0 100.0 99.6 100.0 100.0 100.0 99.4 GΕ ül 97.3 99.1 99.6 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

PEPIOD OF PECORD: 78-87
MONTH: JUL HOURS(LS STATION NUMBER: 727675 STATION NAME: MINOT AFB ND HOURS(LST): 2100-2300 CEILING VISIBILITY IN STATUTE MILES G E GE GE . GE . 5 1 GE GE GE GE 2 1 1/2 1 1/4 GE GŁ Gf G F GE FEET | 3 2 1/2 c/16 1 3/4 10 5/8 1/2 1/4 NO CEIL 1 74.6 15.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75.5 GE 200001 80.5 81.4 81.4 P1.4 81.4 P1.4 81.4 82.0 82.0 GE 180001 81.2 82.U 82.C 82.0 82.0 82.0 82.C 82.D 82.0 82.0 82.0 82.3 62.0 52.0 P2.0 6F 16COOL 81.2 82.C 82.C 82.8 82.3 82.0 82.8 82.0 82.8 82.C 82.0 92.0 92.0 62.0 92.0 82.0 82.n 140001 81.9 84.3 GE 120001 83.2 94.3 84.3 84.3 64.3 84.3 84.3 84.3 84.3 84.3 A4.3 GE impool 85.9 87.0 87.0 88.0 87.0 87.3 88.0 87.0 87.0 87 · c 87.0 87.3 87.0 P7.3 87.0 F7.3 87. D 87.0 68.3 91.4 94.0 P8.0 88.0 91.4 A8.0 88.0 98.0 90631 86.7 88.3 88.0 88.0 88.0 68.0 86.0 68.0 91.4 Ŀξ 80001 69.9 70001 92.5 91.4 91.4 94.0 91.4 94.0 91.4 94.0 91.4 91.4 94.0 91.4 94.0 91.4 91.4 91.4 91.4 91.4 94.0 0.40 94.0 94.0 94.0 94.0 94.9 94.9 94.9 97.0 97.0 97.0 97.2 97.9 97.2 97.0 97.2 6 E 52001 95.4 96.9 97.0 97.C 97.0 97.0 97.0 97.3 97.J 97.0 97.0 45001 95.6 40001 96.0 35001 96.5 30001 96.8 97.2 97.2 97.2 97.2 97.1 97.2 97.2 97.2 υĒ 97.2 97.2 97.2 97.2 97.8 97.8 97.5 97.6 97.6 97.7 97.7 97.8 97.8 97.8 97.8 97.8 97.6 99.1 98.2 98 • 4 98 • 8 98.4 G F 98.0 98.3 GR. 3 99.4 98.4 28.4 98.4 98.4 98.4 98.4 98.6 98.8 99.1 99.1 90.1 99.1 98.9 78.6 99.2 99.4 98.9 98.9 99.2 GF 20001 97.1 98.7 99.0 99.1 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.2 99.7 19001 97.1 99.4 99.4 49.4 98.7 99.0 99.4 99.4 99.4 97.4 GE 94.2 99.4 99.4 15601 97.2 98.8 90.3 99.1 99.4 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 99.5 90.1 99.2 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 12001 98.9 99.5 99.6 1000[97.3 99.6 99.6 99.6 GΕ 78.9 99.1 99.2 99.5 99.5 99.6 99.6 99.6 99.6 29.6 49.6 99.6 9001 97.3 8001 97.3 99.1 99.6 99.6 49.6 99.6 98.9 99.2 49.5 99.6 99.6 99.6 99.6 99.6 99.6 99.5 99.1 99.6 99.6 99.6 GF 98.9 99.2 99.5 99.5 99.6 99.€ 99.6 99.6 99.6 99.6 99.6 99.C 99.7 99.6 99.6 99.7 £001 47.3 99.0 99.2 99.4 99.6 99.6 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 99.7 G E 5001 97.3 79.2 99.5 99.6 99.8 49.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 30.0 99.9 460| 97.3 300| 97.3 200| 97.3 99.2 99.2 99.2 99.5 99.5 49.A 59.9 99.8 99.9 G E 99.0 99.9 99.9 99.9 99.5 99.9 99.9 99.9 99.9 99.9 99.6 100.0 100.0 100.0 100.6 100.0 100.0 100.0 100.0 100.0 106.6 99.5 6 F 39.6 99.9 99.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100-0 1001 97.3 99.2 99.6 99.5 99.9 49.9 100.0 . 100.0 130 · C 100.0 100.0 100.0 103.7 100.0 100.0 100.0 99.6 99.9 100.0 100.0 105.0 106.0 107.0 100.0 100.0 100.0 100.0 100.0

GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO PERIOD OF RECORD: 78-87 MONTH: JUL HOURS (LST): CEILING VISIBILITY IN STATUTE MILES GE GE 3 2 1/2 IN | GE FEET | 10 GE GE GE 2 1 1/2 1 1/4 GE 5 GE G { 1 5/16 6 3/4 1/2 1/4 Э 67.3 NO CEIL | 66.4 67.2 67.3 67.3 67.3 67.3 67.3 57.4 67.4 GE 200001 72.8 73.5 73.6 73.7 73.7 73.7 73.7 7 7 . 8 73.8 73.A 73.A 7 1 . 4 73.7 7 3 . 7 73.8 73.8 GE 18000| 73.3 GE 16000| 73.3 GE 14000| 74.4 74.3 74.3 74.3 74.3 75.4 74.3 74.3 74.0 74.1 74.2 74.2 74.3 74.3 74.3 74.3 74.3 74.3 74.4 75.4 74.3 74.4 74.4 74 .2 75 .2 74.2 74.3 74.C 75.1 74.3 74.3 74.3 74.4 75.4 74.4 74.4 75.5 GE 120001 76.2 77.0 77.3 77.3 77.3 77.3 68 100001 80.4 91.3 81.5 81.6 81.6 81.6 81.7 81.7 81.7 81.7 81.7 e 1 • 7 91.7 91.7 61.7 £1.7 G€ 90001 81.8 80001 85.3 70001 66.9 8.26 83.C 83.1 63.2 83.2 83.2 83.2 a 3 . 2 87.2 86.8 93.2 96.8 98.6 83.3 85.9 83.3 86.9 63.3 86.9 89.6 F3.3 F6.4 G E 86.4 86.6 86 • 7 88 • 4 86.8 86.8 86.8 96.8 86.8 86.8 8e.5 89.5 96.6 88.5 89.5 98.5 88.5 98.6 39.6 86.6 89.9 43.g 89.9 97.C 4C.J ′. **Ε** 91.6 91.7 50001 89.9 91.7 91.7 91.7 91.7 91.7 91.7 51.9 92.3 93.5 94.3 GE 45601 98.4 40001 91.3 92.0 92.2 92.2 92.2 93.4 92.2 92.2 92.3 92.7 93.4 91.7 92.1 92.3 92.3 93.5 72.8 93.2 93.5 93.4 3500 | 92.1 94.2 55.6 GE 94.8 95.1 95.3 95.4 95.5 95.5 95.5 95.5 95.5 95.6 95.6 25001 93.6 95.3 95.6 95.9 95.8 96. . 96.0 96.0 96.0 96.0 94.7 96.0 96.1 96.1 26.1 76.1 2000| 94.2 1800| 94.4 1500| 94.7 96.7 96.0 96.3 96.7 96.7 96.7 96.7 96.7 96.8 96.5 96.7 96.7 96.8 97.0 96.8 97.0 97.4 96.6 96.5 96.9 96 • 7 97 • 1 96.9 96.9 96.9 96.9 96.9 G E 96.2 96.9 96.9 96.9 96.6 97.4 97.4 97.4 97.4 97.4 97.3 97.0 12001 95.2 97.3 GF 10001 95.3 97.7 97.9 98.1 98.1 98.2 98.2 98.2 98.2 90.2 48.2 99.2 98.3 9 R . 3 08.3 9001 95.5 8001 95.6 9P.4 GΕ 98.3 98.4 98.4 98.5 98.4 98.6 96.5 48.6 97.5 97.9 98.1 98.3 99.3 98.3 98.3 98.4 95.4 GE 37.6 98.0 96.2 99.4 98.5 98.5 98.5 98.5 98.5 98.5 95.6 GE 7501 55.8 97.9 98.4 98.6 98.8 98.8 98.8 98 • 8 99.8 98.5 99.9 94.9 99.9 94.9 98.9 95.0 99.1 38.1 99.1 99.1 99.1 GE 99. D 99.1 99.1 5001 96.0 4001 96.1 98.2 99.3 99.3 99.3 99.3 GΕ 98.4 98.5 98.9 99.1 99.3 99.3 99.4 99.4 99.4 99.7 99.5 90.5 90.8 99.5 99.5 99.8 99.5 99.5 99.6 3031 96.2 99.1 99.6 GE 99.7 99.7 99.8 99.8 99.7 2001 96.2 98.5 99.1 99.3 99.6 99.7 99.9 99.9 99.8 99.8 GΕ 1001 96.2 28.5 99.1 99.3 99.6 99.7 99.8 99.8 99.A 99.8 99.9 99.9 99.9 100.0 01 96.2 98.5 G E 99.3 99.6 99.1 99.7 99.8 99.8 99.R 99.8 99.8 99.8 99.9 99.9 99.9 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND PEPIOD OF PECORD: 78-87

5 14	I TON M	UPBLH:	121015	3 1 4 1 1	ON MARE.	HINC	UI ATS NU						0 466				
												MONTH				0000-65	
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	LING									IN STATE							
	N I		GE	GΕ	GΕ	GΕ	GΕ	GE	GE	GE	GE	υĘ	GF	GE	٥F	GE	ĢΕ
FE	ET 1	10	6	5	4	3	2 1/2	2	1 1/5	1 1/4	1	7/4	5/8	1/2	c/16	1/4	C
					• • • • • • • •					• • • • • •		• • • • • •				• • • • • •	
N C	CEIL	72.2	72.0	72.9	73.1	73.2	73.2	73.2	73.2	73.2	73.2	7 * • 2	73.2	73.2	73.2	73.2	73.2
GE	200001	77.2	78.1	78.2	78 • 4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78 • 5	79.5	78.5
GE	180001	77.2	78.1	79.2	78 • 4	79.5	76.5	78.5	78.5	78.5	78.5	74.5	78.5	78.5	78.5	78.5	78.5
GΕ	160001	77.2	78.1	78.2	78.4	78.5	78 • 5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	7 A . 5	79.5
GE	140001	77.7	78.6	78.7	76.9	79.0	79. G	79.0	79. a	79.0	79.0	70.7	79.0	79.0	79.5	79.0	79.0
GΕ	120001	73.0	79.9	80.0	8C • 2	80.3	86.3	80.3	80.3	a3.3	80.3	80.3	40.3	83.3	90.3	oC.3	6 C . 3
				-													
GΕ	1 nc ccl	62.7	p 3 • 5	83.7	83.9	84.1	84.1	84.1	84.1	84.1	94.1	84.1	A4 . 1	84.1	P4 . 1	64.1	44.1
6 E			94.4	84.5	84 . 7	85.1	85.1	85.1	95.1	65.1	85.1	85.1	85.1	85.1	₽5•Î	65.1	ā 5 • 1
GE	80001	86.2	67.2	87.3	87.5	88.0	98.G	88.0	88.0	89.0	98.0	89.0	98.0	88.3	88.C	89.0	88.0
6.6	70001		68.4	88.5	88.7	89.1	89.1	89.1	89.1	89.1	99.1	89.1	P9.1	89.1	9.1	89.1	F9.1
ĞĒ	60001		89.4	69.6	89.9	90.3	9 L • 3	90.3	93.3	90.3	70.3	90.3	90.3	90.3	90.3	90.3	90.3
	00007						• • •					•					
GE	50001	50.6	91.9	92.2	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE	45.031		92.4	92.6	92.9	93.3	93.3	93.3	93.3	93.3	93.3	97.3	93.3	93.3	93.3	9 ? • 3	93.3
GE	40001		93.5	93.8	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
G E	35001		93.9	94.1	94.4	94.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94 . F	94.8	94.8	94.8
G E	30001		94.3	94.5	94.8	95.3	45.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
	,																
GΕ	29 00 1	93.3	95.4	95.6	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	06.3	96.3	90.3
GE	20001		96.5	96.8	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
6 E	18001		96.8	97.1	97.4	97.5	97.8	97.8	97.9	97.A	97.8	97.A	97.8	97.8	97.8	97.8	97.8
i, E	15 00 1		96.9	97.2	97.5	98.0	96.0	98 C	96.0	98.3	98.0	94.0	98.0	98.7	98.0	99.0	98.C
G E			97.1	97.4	97.7	98.2	98.2	98.2	98.2	98.2	98.2	99.2	98.2	98 • 2	98.2	98.2	98.2
.	1.00,	· · · ·		• •				.,				•			•••		
GE	10001	45.	97.3	97.7	98.1	98.5	96.5	99.5	98.5	99.5	98.5	90.0	98.5	99.5	78.5	98.5	98.5
úΕ		95.2	97.3	97.7	98.1	99.5	98.5	90.5	98.5	99.5	94.5	90.5	GA.5	98.5	98.5	98.5	98.5
GE		95.3	97.4	97.8	98.2	98.6	90.6	98.6	98.6	48.6	98.6	90.6	98.6	94.6	98.6	98.6	98.6
C E		95.4	97.6	98.1	98.4	98.8	58.6	98.8	98.8	y 6 . 8	96.6	98.3	98.8	98.6	29.8	94.8	96.8
őΕ		95.6	27.8	98.5	78.6	99.6	79.3	99.0	99.0	99.7	30.0	90.0	99.0	39.5	99.5	99.0	99.C
, -	000,	,,,,,						,			• •						
GE	5001	95.€	98.1	9 A . 6	98.9	99.5	59.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
űΕ	4021	95.B	98.3	98.8	99.1	99.7	64.7	93.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
ĿΕ		95.8	98.3	99.8	99.1	99.7	99.7	99.7	99.7	39.7	99.7	99.7	99.7	99.7	99.7	99.7	94.7
ĞÈ		45.6	98.3	98.8	99.1	99.7	49.7	99.7	99.7	99.7	99.7	92.7	99.7	99.7	99.7	99.7	99.7
6 E		95.8	98.3	98.8	99.1	99.1	99.7	99.7	99.7	99.7	99.7	99.9	99.8	99.9	99.9	99.9	99.9
													/	•	•		
GE	21	95.₽	98.3	98.8	99.1	99.7	59.7	99.7	99.7	99.7	99.7	90.4	99.8	99.3	9,9	100.0	100.3
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PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND									PEPIOD OF RECORD: 78-67 MONTH: AUC								
	LING			• • • • • • •		• • • • • •				IN STATE			• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	•••••
FE	N I	10	GE 6	G E 5	6E 4		GE 2 1/2	GE	ĞE 1 1/2	GE	6 E	nE 3/4	G1 5/6	GE 1/2	ύΕ °/16	GE 1/4	GE C
	CEIL I		70.6	71.0	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.9	71.9	71.9
GΕ	260001	73.8	75.1	75.4	75.7	76.2	76.1	76.1	76.1	76.1	76 • 1	76.1	76.1	76.1	76.3	76.3	76.3
GΕ	180001	73.8	75.1	75,4	75.7	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76 - 1	76.3	76.3	76.3
GE	150001	73.8	75.1	75.4	75 • 7	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.3	76.3	76.3
	140001		75,5	75.8	76 - 1	76.5	76.€	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.8	76.8	76.8
GE	120001	75.9	77.5	77.8	78.2	78.5	76.6	79.6	78.6	78.6	78 • 6	70.6	79.6	78.6	78.8	79.8	78.8
r, F	100001	81.2	92.8	83.1	83.4	83.8	83.9	63.9	83.9	83.9	93.9	81.9	A 3.9	83.9	P4 . 1	84.1	64.1
G E	00001		83.6	84.1	84 . 4	84.7	84.8	84.8	84.8	84.8	84.8	84 P	84.6	84 • g	e5.1	65.1	95.1
GE	écuai	84.8	86.6	86.9	87.2	87.6	87.7	87.8	87.5	87.8	87.8	87.R	87.8	87.R	A8 1	0 P + 1	98.1
GΕ	70001	86.2	89.1	88.4	88.7	89.1	89.2	89.4	89.4	89.4	99.4	89.4	99.4	89.4	9.6	89.6	89.6
G €	6700l	87.€	69.6	89.9	90.2	93.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.0	91.1	91.1	91.1
GΕ	50001	88.6	90.6	91.7	91.3	91.7	91.8	92.3	92.0	92.0	92.0	97.7	u2 • G	92.7	92.3	92.3	92.3
GE	45001		90.8	91.1	91.5	91.9	92.0	92.3	92.3	92.3	92.3	97.	92.3	92.3	92.5	92.5	42.5
ĞĒ	40001		92.2	92.5	92.9	93.3	93.4	93.7	93.7	93.7	93.7	97.7	93.7	93.7	03.9	47.9	93.9
δE	35 30	92.1	92.5	92.8	93.2	93.7	93.8	94.5	94.0	94.0	0.00	94.7	94.0	94.3	94.2	94.2	94.2
GΕ	30001	90.4	92.8	93.1	93.5	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.6	94.6	94.6
GE	25001	91.1	93.4	93.9	94.3	94.8	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.4	95.4	95.4
6 E		91.5	93.9	94.3	94.7	95.3	95.4	95.6	95.6	95.6	75.6	95.6	95.6	95.6	95.8	95.8	95.8
GE		91.6	94.0	94.4	94.6	95.4	95.5	95.7	95.7	95.7	95.7	9 7	95.7	75 • 7	95.9	95.9	95.9
G €	1500	91.7	94.1	94.5	94.9	95.5	95.€	95.9	95.8	95 · B	95.8	9	75.8	95.A	96.0	96.0	26.0
GE	15001	92.C	94.4	94.8	95.3	95.€	95.9	96.1	96.1	96.1	96.2	44.2	96.2	96 . 2	96.5	96.5	96.5
GΕ	inani	92.3	94.6	95.1	95.5	96.3	96.1	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.7	96.7	96.7
GE		92.4	94.7	95.2	95.6	96.1	96.2	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.8	96.8	96.8
GE		92.4.		95.2	95 • 6	96.1	96.2	96.5	96.5	96.5	96.6	96.6	96.6	96 • 6	96 • 6	96.5	96.8
GE		92.B	95.3	95.7	96 • 1	96.7	76.6	97.5	97.0	97.9	97.1	97.1	97.1	97.1	97.3	97.3	97.3
ĿΕ	6001	93.1	95.7	96.1	96.6	97.1	97.2	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.7	97.7	97.7
G E	5001	93.3	96.2	96.7	97.1	97.6	97.7	98.0	98.0	96.3	98.1	98.1	98 • 1	98.1	96.3	94.3	98.3
GE		93.4	96.7	97.1	97.5	98.1	96.2	98.4	98.4	98.4	98.5	96.5	98.5	98.5	98.7	98.7	98.7
GΕ		93.5	96.8	97.2	97.6	98.2	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.8	98.8	98.6
GE		93.7	97.1	97.5	98.0	98.5	98.6	94.A	98.8	98.A	98.9	98.9	98.9	98.9	99.1	99.1	99.1
GE	1001	93.7	97.1	97.5	98.0	99.5	96.6	98.8	98.8	98.8	99.1	99.1	09.1	99.1	99.4	97.6	99.7
GE	C (93.7	97.1	97.5	98 • Ú	98.5	98.6	9.89	98.8	98.8	99.1	99.1	99.1	99.2	99.5	99,7	100.0

GLOBAL CLIMATCLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING AFHROIS AT IBILITY

AIR MEATHER SERVICE/HAC STATION NUMBER: 727675 STATION NAME: MINOT AFE NO PERIOD OF RECORD: 78-87 MONTH: AUG POURS(LST): 3603-8836 CEILING GE GE 39 VISIBILITY IN STATUTE MILES CEILING IN | GE FEET | 12 GE GE 3 2 1/2 CF O GE GE GE GE TE 2 1 1/2 1 1/4 1 7/4 G E 5 5/8 1/2 NO CEIL | 59.0 61.5 67.5 61.6 62.4 62.9 63.0 63.2 63.3 63.4 63.4 63.5 63.7 63.9 64.5 GE 200401 63.4 67.4 68.1 68.1 68.5 66.0 66.1 66.9 67.5 67.7 67.8 68.3 68.3 68.C 6 ° • 1 59.2 69.2 69-0 69.1 GE 160001 63.4 GE 160001 63.7 66 . 4 67.4 67.8 66.J 66.1 4.64 69.1 69.0 6º.5 66.5 67.3 67.8 68.0 64.2 6 A • 3 68.4 64.4 64.6 66.8 69.5 £9.6 Gf 140001 64.1 68.5 49.6 68.6 63.7 69.8 69.7 66.7 66.8 67.5 68.1 68.4 69.5 69.8 76.2 78.9 GE 100001 71.3 74.0 74.1 74.6 75.4 75.5 75.9 75.9 16.0 76.5 76.7 G E G E 90001 71.7 80001 79.5 76.7 91.5 76.8 77.5 79 - 1 83 - 2 78.2 P3.3 78.5 83.7 78.6 83.8 78.7 78.8 70.9 79.1 79.4 89.0 85.2 aC.1 81.8 44.C 84.1 A4.1 83.9 84.3 82.6 70001 81.1 P6.7 86.9 86.0 A7.2 85.8 60001 62.1 87.2 35.5 86.6 F7.3 87.7 87.8 68.3 88.1 99.7 99.2 e 9 . b 89.4 50001 83.9 45001 84.2 46001 85.3 93.2 87.C 87.3 88.1 88.6 66.9 89.4 89.5 89.6 R9.7 60.5 99.6 93.0 93.4 üΕ 40.9 \$ 1 a d 87.7 88.9 95.1 91.3 90.7 90.2 A 7.4 98 · 5 89 · 7 89.4 89.8 89.4 90.7 91.3 91.4 89.2 90.4 91.3 90.5 98.6 91.5 92.5 93.0 υE 91.1 91.6 91.8 92.4 35001 65.7 99.0 89.4 90.1 91.1 91.6 91.7 91.8 91.9 91.9 92.2 GE 30001 85.9 89.4 89.7 93.4 91.3 91.4 91.8 92.0 92.2 97.3 92.3 92.5 92.7 93.3 93.4 94.2 25 JC1 86.6 93.3 90.5 90.8 92.3 92.7 92.8 97.1 f, F 91.3 92.2 92.9 93.0 93.1 73.3 93.5 94.5 6 E 25001 86.A 92.9 93.0 93.2 91.3 93.3 94.4 94.5 42.4 ¥3.1 93.5 93.8 91.5 91.8 72.5 1800| 86.9 1500| 87.2 92.5 91.1 42.7 92.6 93.2 93.3 93.5 97.7 93.7 93.9 94.1 94.7 24.8 92.2 9 1 . 7 93.9 93.9 94.3 94.0 94.4 95.1 95.2 95.2 ΘE 1001 AT.P 93.0 94.3 94.6 94.9 91.6 95.4 16.0 4.6 9031 68.0 92.2 92.7 93.5 94.5 94.6 95.1 95.2 95.3 95.4 91.5 45.5 95.7 95.9 96.6 96.7 94.6 8301 68.0 72.0 94.7 95.6 92.7 95.2 95.5 95.6 95.9 űE 93.7 95.4 96.0 96.7 96.6 GE 95.6 96.1 6001 88.0 92.5 93.1 94.1 95.1 45.2 95.6 95.7 95.9 96.4 96.7 96.5 97.1 97.2 5001 88.1 72.6 93.3 97.1 97.8 45.7 95.€ 96.2 96. 3 46.5 76.6 96.7 96.7 96.9 97.7 94.4 97.5 97.1 97.1 96.2 4001 A9.1 92.8 93.8 94.9 9e. 3 97.1 47.2 97.5 47.6 97.6 97.A 98.1 y R . 7 98.B 97.7 98.0 98.2 98.7 93.9 46.5 76.5 97.2 98.4 3001 88.1 92.9 95.1 96.5 97.3 97.6 37.7 49.4 96.9 21.1 2001 68.1 92.9 95.1 49.1 96.3 99.0 97.3 94.0 97.7 1001 29.1 92.9 93.9 95 . 1 46.5 97.1 99.5 100.0

y7.3

97.7

97.2

99.0

98.5

y9.5 100.0

98. ^

TOTAL NUMBER OF OPSERVATIONS: 930

92.9 93.9

96.3

97.1

95.1

71 68-1

G E

GLORAL CLIMATOLOGY BRANCH

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC

FROM HOURLY OBSERVATIONS

STATION NUMBER:	N NUMBER: 727675 STATION NAME: MINOT AFB NO									PEPIOD OF FECORD: 78-87							
											: AUG			0900-11			
CFILING	• • • • • • •		• • • • • • •	• • • • • •	•• • • • • • •	VISI	BILITY	IN STAT	UTE MIL	ES.	• • • • • •	• • • • • •	•••••	• • • • • • •	•••••		
IN GE	GE	GE	G F.	GE	GΞ	GE	GE	ĢE	GE	GE	ιa	GE	GF	G£	G.F		
FEET 1 1C	Ł	5	4		2 1/2		1 1/2		1	7/4	5/8	1/2	c/16	1/4	3		
	• • • • • •	• • • • • •	• • • • • • • •	• • • • • •	• • • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •		•••••		
NO CEIL 61.3	62.7	62.8	62 • ७	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	€3.1	63.1	€3+1		
GE 200001 66.5	68.C	69.1	68.1	68.5	68.5	68.5	68.5	68.5	68.5	65.5	68.5	68.5	64.5	64.5	64.5		
GE 18C001 66.6	68.1	68.2	68 • 2	68.5	68.6	68.6	69.6	68.6	68+6	60.5	5A . 6	68.6	£8.6	68.6	66.6		
GE 160CO1 66.7	68.2	68.3	66.3	68.7	68.7	68.7	68.7	68.7	68.7	69.7	69 . 7	69.7	68.7	69.7	t 8 • 7		
GE 14000 67.6	69.1	69.2	69.2	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	65.7		
GE 120001 70.2	71.8	71.9	71.9	72.5	12.5	72.5	72.5	72.5	72.5	7.2.5	12.5	72.5	72.5	72.5	72.5		
GE 1ggag 74.7	76.5	76.6	76.7	77.2	77.2	17.2	77.2	77.2	77.2	77.2	77.2	11.2	77.2	11.2	77.2		
GE 90001 76.3	78.2	78.3	78.4	78.9	78.9	78.9	78.9	78.9	78.9	70.9	79.9	79.9	79.9	74.9	76.9		
GE 80001 79.8	82.2	82.3	82 • 4	62.9	82.9	82.9	82.9	82.9	P2.9	6.2.9	62.9	52.9	F2.9	62.9	A2.9		
GE 77001 81.5	A 4 . C	84.1	84 • 2	84.7	84.7	84 • 7	84.7	84.7	94.7	84.7	84.7	84.7	P 4 . 7	84.7	F 4 . 7		
GE 60001 82.6	95.2	85.5	85.6	86.1	P & . 1	86.1	P6.1	86.1	A6 - 1	86.1	56.1	96.1	P6 - 1	66.1	ee . 1		
ύΕ 5CCO €3.5	26.2	86.7	86.8	87.3	87.3	87.3	87.3	67.3	87.3	R7.3	87.3	87.3	e 7 • 3	97.3	F7.3		
GE 4500 83.9	96.9	87.3	87.4	68.3	88. Ū	86.0	88.0	5.80	98.0	Pa C	88.0	89.0	95.0	48.0	F # • 0		
GE 4000 84.6	87.6	88.2	88 • 3	6A.8	08.8	80.8	88.A	88.8	8 . E	6P.A	88.8	4 9 . p	96.8	5 4 • 8	PP. 3		
GE 3500 64.8	F 7 • 8	88.4	88.5	89.0	85.D	69.C	89.0	89.0	A9.0	89.0	P 9	89.0	99.0	83.0	F9.0		
GE 30001 65.8	88.8	89.4	89.6	90.1	90,1	90 - 1	90.1	90.1	92.1	9".1	60.1	93.1	ઉ•1	90.1	92.1		
GE 25001 86.3	99.4	89.9	90.1	99.6	4C.6	90.6	90.6	97.6	90.6	95.6	90.6	93.6	33.6	90.6	40.6		
GE 20001 88.3	91.3	91.9	92.2	92.7	92.7	92.7	92.7	92.7	92.7	97.7	92.7	92.7	92.7	92.1	92.7		
GE 1850 88.3	91.3	91.9	92.2	92.7	92.7	92.7	92.7	92.7	92.7	97.7	92.7	92.7	92.1	92.7	92.7		
GE 15001 89.8	92.8	93.7	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	C4 . 4	Ç4.4	44.4		
GE 12001 91.3	34.5	95.4	95 • 6	96.2	96.2	96.2	96.2	96.2	96.2	96.7	96.2	96.2	ce•5	96.2	96.2		
GE 10001 92.4	95.8	96.7	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5		
GE 9301 92.8	76.2	97.1	97.3	98.1	98.1	98.1	98.1	y8.1	98.1	98.1	C8.1	78.1	98.1	79.1	96.1		
GE 8001 92.8	96.2	97.1	97.3	98.2	96.2	98.2	98.2	98.2	98.2	90.3	98.2	98.2	98.2	94.2	98.2		
GE 700 45.9	³6•5	97.3	97.6	98.5	96.5	98.5	98.5	96.5	98.5	90.5	96.5	98.5	98.5	98.5	96.5		
CE 60C 92.9	76.8	97.7	98.1	99.6	99.[99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	66.1		
GE 5001 92.9	76.9	97.8	98.2	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		
65 4001 92.9	76.9	99.0	98.3	99.5	99.5	99.5	99.6	99.6	99.5	99.6	99.6	99.6	29.6	99.6	54.6		
GE 3001 92.9	96.9	98.1	96.4	99.7	55.7	99.7	99.8	99.8	99.A	99.8	99.6	99.8	99.8	99.8	99.8		
GE 2001 92.9	76.9	98.1	98 • 4	99.8	99.8	99.8	100.0	100.0	176.0	100.0	100.0	100.0	170.0	100.0	100.0		
GE 1001 45.9	96.9	98.1	98.4	99.8	99.8	99.8	130.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
GE 01 92.9	76.9	99.1	98.4	99.8	99.8	99.8	100.3	109.0	100.0	100.0	100.0	130.3	170.0	100.0	100.0		
										-							

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB NO PEPIND OF PECORD: 76-87 MONTH: AUG HOURS(LST): 1230-1466 VISIRILITY IN STATUTE MILES CEILING TELLING IN 1 GE GE FEET 1 10 6 GE 4 G₁ GE 5/8 1/2 c/16 1/4 62.2 62.2 62.2 NO CEIL | 61.4 68.5 68.8 69.6 68.8 68.8 68.8 68.8 6 F . A 68.8 63.5 66.6 GE 200001 69-1 68 • 6 69.2 69.5 70.8 GE 180001 69.5 GE 160001 68.7 68.9 68.9 69.1 69.0 69.2 69.2 69.2 69.2 69.5 69.2 69.2 69.2 69.2 69.2 69.2 69.2 €9.5 69.5 69.5 69.5 69.5 69.5 69.5 69.5 GE 140001 70.0 GF 120001 72.0 70.4 70.4 70.5 73.8 70.8 70.8 70.8 70.6 70.8 70.8 72.5 72.8 72 .8 72.8 72.8 72.B 72.8 72.9 12.5 72 . 6 12.8 72 . B 76.7 76.7 79.2 92.3 76.7 76 . 7 76.7 76.7 76.7 76.7 79.2 P2.3 76.7 78.2 82.0 GE 100001 75.9 GE 90001 77.4 76.3 77.8 76.3 76.5 76.7 76.7 78.2 82.0 83.7 78.2 82.0 70.2 82.1 78.2 79.2 18.2 78.2 78.2 77.8 78 • C 76.2 80001 80.9 81.8 62.7 83.7 82.0 83.7 82.C 82 . C GE 81.6 81.6 82.0 83.7 83.2 70601 82.3 83.2 GE ĠΕ 83.8 60001 82.6 83.8 84 . 2 84.2 84.2 84.2 84.2 84.2 94.2 64.2 64.2 85.5 50001 83.4 85.5 85.5 95.5 85.5 25.5 G F 84.9 85.1 85.3 85.5 85.5 85.5 85.5 85.5 F5.5 4º COL 84.3 85.8 85.9 86.3 86.3 86.3 R6 . 3 86.3 86.3 86.3 06.3 86.3 66.3 86 • 1 87 • 7 86.3 88.0 GE BE . 3 °8. € 69.6 40001 85.9 87.4 87.5 88.C A 4 . 3 RR.O 98.0 E . 8 4 88.9 P8.0 88.0 F8.0 89.6 89.6 99.6 99.6 35001 87.5 59.7 89.1 29.4 89.6 89.6 89.6 P9.6 89.6 92.0 92.0 6 E 30601 40.0 71.5 91.6 91.8 92.5 92. G 91.5 Ŀξ 25001 91.2 92.8 92.9 93.1 53.4 93.5 93.5 93.5 93.5 93.5 93.5 93.5 95.5 42.5 ¢ 3.5 94.9 94.9 95.1 94.9 ٥£ 20031 92.5 19001 92.6 74.1 94.3 94.5 94.8 94. 9 94.9 95.1 74.9 94.9 94.5 94.9 94.9 94.9 95.1 95.1 95.1 95.1 55.1 95.1 04.2 94.6 95.1 ĠΕ 94.4 96.5 96.5 97.8 96.5 96.5 96.5 96.5 96.5 96.5 97.8 97.8 97.8 ×7.9 97.6 97.8 77.8 97.8 47.8 GΕ 12001 94.0 76.3 96.9 97.3 97.7 97.6 93.0 10001 95.3 97.0 97.5 99.[99.5 99.3 99.5 6 E 98.7 44.0 99.3 99.0 99.3 98.1 9001 95.3 8001 95.3 99.7 99.1 99.0 97.0 97.5 99. C 99.3 99.1 49.0 99.6 99.0 99.3 99.9 6 E 98.1 98.7 99.1 29.1 27.0 99.1 99.1 99.1 99.1 G.F 98.2 98.8 99.1 79.2 99.2 49.2 97.7 98.9 94.2 99.2 97.1 98.3 üΕ 7631 6001 95.4 77.1 9.4 99.5 99.7 99.7 99.7 99.7 97.7 99.7 99.7 99.7 99.7 99.A 100.0 GE 5.01 95.4 97.1 97.8 98.4 99.1 29.6 100.0 100.0 100.0 107.0 100.0 103.0 100.0 130.0 101.0 131.1 131.3 170.0 4001 95.4 97.1 97.8 99.1 99.8 100.0 100.0 100.€ 100.0 100.0 100.0 96.4 99.6 170.0 GE 100.0 100.0 GE 3001 95.4 97.1 97.8 98.4 59.1 99.6 99.8 100.6 103.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS: 930

37.1

77.1

97.8

97.8

99.1

99.1

99.6

79.6

98 . 4

98.4

98.4

99.8

10.1.0

105.0

190.0

100.0

99.8 103.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

100.0

2001 95.4

01 95.4

G E

6€

PERCENTAGE FREQUENCY OF DECURPENCE OF CFILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER:			_							MONTH	of REC	HOURS	(LST):			
CEILING		• • • • • •	••••	• • • • • •			PILITY				• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •	• •
IN SE FLET 10	GE £	GE S	GE 4		CE 2 1/2	3.0	1 1/2 1 1/2	0f 1 1/4	e E		0 f 5 / A	5t 172	36 4/16	6t 1/4	GF O	
NO CEIL 61.4		62.4	62.4	62,4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	60.4	62.4	•
GE 200001 71.7 GE 180001 72.0 GE 160001 72.0 GE 140001 72.6 GE 120001 75.9		72.7 73.0 73.0 73.5 77.0	72 • 7 73 • 0 73 • 0 73 • 5 77 • 3	72.7 73.0 73.0 73.5 77.0	72.7 73.0 73.6 73.5 77.6	12.7 13.0 13.0 73.5 71.0	72.7 73.0 73.0 73.5 77.3	12.1 13.0 13.0 13.5	72.7 73.0 73.0 73.5 77.0	77.7 77.0 77.0 77.5 77.7	72.1 73.0 75.0 73.5 71.0	72.7 73.3 73.3 73.5	72.7 73.0 73.0 73.5 71.0	72.7 73.0 77.0 73.5 77.0	12.1 73.0 13.5	
GE 100001 79.8 GE 90001 62.8 GE 80001 64.9 GF 70001 65.9 GE 60001 66.6	90.8 81.7 86.0 97.0	81.1 82.0 86.5 87.4	F1.1 82.0 86.5 67.4	81.1 82.0 86.5 87.4 68.1	61.1 92.0 06.5 97.4 98.1	81.1 82.0 86.5 87.4	81.1 62.0 86.5 87.4	81.1 82.0 86.5 87.4 98.1	P1.1 P2.0 96.5 97.4 PB.1	#1.1 #2.0 #7.4 #8.1	P1 • 1 P2 • 0 P6 • 5 P 7 • 4 P8 • 1	51+1 82+7 86+5 87+4 88,1	F1.1 F2.0 F0.5 F7.4	81.1 #2.0 #6.5 #7.4	77.2 Fiel Feed 60.5 97.4 Feel	
GE 5000 88.4 GE 4530 89.6 GE 4000 91.3 GE 3500 93.0 GE 3730 94.3	89.6 95.8	90.1 91.3 93.1 94.6 96.1	90.1 91.3 93.1 94.8 96.1	90 • 1 91 • 3 93 • 1 94 • 8	90.1 91.3 93.1 94.8 96.1	90 •1 91 • 5 93 • 1 94 • 8 96 • 1	90.1 (1.3 93.1 94.8 96.1	90.1 91.3 93.1 94.4 95.1	90.1 91.3 93.1 94.8 96.1	97.1 91.1 91.1 94.8 97.1	90:1 91:3 93:1 94:8 96:1	90.1 91.3 93.1 94.8 96.1	93.1 93.1 93.1 94.5	+7.1 91.3 93.1 94.8 96.1	90.1 91.3 93.1 94.8 94.1	
GE 25001 94.9 GE 20001 95.5 GE 16001 95.5 GE 15001 95.8 GF 12001 96.0	97.C 97.3	96.8 97.6 97.6 97.6 98.0	96.8 97.7 97.7 98.1 98.7	96.6 97.7 97.7 98.1 98.6	96.8 97.7 97.7 9e.1 9e.8	96.8 97.7 97.7 98.1 98.8	96 • 8 97 • 7 97 • 7 98 • 8	76.9 77.8 77.8 77.8 77.9	76.9 97.8 97.8 98.2 38.4	94.7 97.9 97.8 98.7	96.9 97.8 97.8 98.2 98.9	96.9 97.8 97.4 98.2 98.3	90.9 97.8 97.3 98.2 98.9	9 K. G 9 7. H 9 7. R 9 R . Z G R . G	76.4 67.8 97.8 97.8 98.7	
GE 1000 96.3 GE 800 96.3 GE 800 96.3 GE 700 96.7 GE 600 96.3	93.2 98.2 98.2 99.3 98.3	99.0 99.0 99.3 99.1 99.1	99.1 99.1 99.1 99.2 99.2	99.2 99.2 99.2 99.4 99.4	99.2 99.2 99.4 99.4	99.4 99.4 99.4 99.5 99.6	39,4 93,4 99,4 99,5	99,5 99,6 99,6 99,7	09.5 99.5 99.6 99.7	\$4.5 \$4.5 \$4.5 \$4.6 \$4.7	99.5 99.5 99.6 99.8	99.5 99.5 99.5 99.6 99.7	99.5 99.5 99.5 99.6 99.7	49.5 49.5 49.6 49.1	49.5 49.5 49.6 49.6	
GE 5001 96.3 GE 4001 96.3 GE 3401 96.3 GE 2001 96.3 GE 1001 96.3	78.3 98.5 98.3 98.3 98.3	99.1 99.1 99.1 99.1	99 . L 99 . L 99 . L 99 . Z 99 . Z	99.5 99.5 99.5 99.5	49.5 69.5 69.5 99.5 09.6	99.7 99.7 99.7 99.7 99.8	94. m 99. 8 99. 8 99. 8 99. 8	99.9 99.9 99.9 99.9 IUC.7	105.0 66.6 66.6 66.6	100°u 30°d 30°d 30°d 30°d	99.9 99.9 99.9 99.9 103.3	99.9 99.9 99.9 97.9 100.0	99.9 99.9 99.9 100.J	\$9.9 99.9 99.9 100.0	94.9 94.4 94.4 94.4 100.6	
GE 01 96.3	99.3	99.1	99 , 2	99.6		49,9	99.9	165.0	1.50+"	137.0	183.8	133.5	170.0	100.0	106.0	

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE ND

PERIOD OF RECORD: 76-87 MONTE: AUG HOURS (LST): 1800-2000 VISIBILITY IN STATUTE MILES CEILING IN | GE FEET | 10 GE GE 3 2 1/2 GE GF GE 2 1 1/2 1 1/4 GE 1 1.E 7/4 GE E G E 5 G E 4 Gf 5/8 GE 1/2 GF 5/16 . . 1/4 NC CEIL | 6P.2 €8.6 68.9 68.9 68.9 68.9 68.9 68.9 68.9 60.9 68.9 68.9 64.9 69.9 GE 20000| 74.3 GE 18000| 74.5 75.2 75.4 75.4 15.2 75.4 75.0 75.0 75.3 75.3 75.4 75.4 75.4 75.4 75.4 75 . 4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 75.4 GE 160001 74.5 75.4 75.4 76.3 75.4 75.4 75.4 75.4 75.4 76.3 79.2 78.2 GE 120001 77.1 13.2 78.2 78.2 SE 100001 79.5 A1.1 91.1 a 0.6 81.C 81.1 61.1 91.1 61.1 81.1 81.1 81.1 81.1 01.1 81.1 P1.1 83.4 97.5 83.4 87.5 A 7.4 # 2 . 7 43.4 87.4 87.5 A 5.4 03.4 A 3 . 4 9000 61.7 8000 85.7 83.3 83.4 83.4 53.4 87.5 ĿΕ 83.4 87.5 87.5 90.5 86.8 87.5 87.5 87.5 87.5 A7.5 27.5 70001 68.7 90.5 92.0 90.5 90.5 90.5 97.5 90.5 30.5 90.5 90.5 92.5 92.0 92.3 93.4 93.4 6 € 50001 91.6 72.8 93.3 93.4 93.4 93.4 93.4 93.4 73.4 93.4 91.4 93.4 93.4 51.4 45001 92.8 40001 93.7 35001 95.3 94.5 95.5 97.3 94.6 95.7 47.5 94.6 94.6 94.6 95.7 97.5 94.6 95.7 97.5 54.6 95.7 47.5 ;4.0 94.9 94.6 94.6 GΕ 94.6 44.6 94.6 94.6 94.6 95.7 95.7 95.7 95.7 95.1 G F 95.0 95.7 97.5 G F 96.8 97.5 97.5 97.6 G € 25001 96.0 98.2 58.3 96.4 96.4 98.4 98.5 99.5 98.4 GΕ 20301 96.1 18601 96.2 97.6 98.3 98.4 94.4 98.5 98.4 98.4 94.5 98.4 98.5 98.4 99.4 98.4 94.4 98.5 44.4 98.5 G F 96.5 .6.5 98.5 15001 96.2 97.7 98.3 76.5 94.5 98.5 44.5 98.5 94. 98.5 08.5 . A . C 46.5 99.0 99.7 99.0 6€ 12001 46.5 78.4 98.7 98.6 59. 44.0 99.0 94.5 99.9 9.3 24.0 i. F 10001 96.8 78.4 98.9 99.1 93. .4.5 99.5 99.5 49.5 99.4 99.5 99.5 99.5 99.5 49.5 9001 56.8 98.9 99.1 99.5 99.5 99.5 29.5 99.5 56.5 75.5 99.5 99.5 ,,,, 98.4 98.5 98.9 99.5 99.6 99.4 (, 5 PUD1 96.8 99.1 99.5 74.5 99.5 90.5 99.5 99.5 99.5 09.5 99.4 49.5 49.6 39.€ 99.6 49.6 99.2 33.6 99.6 99.6 17.6 44.6 99.4 6001 46.F 9.6 49.6 99.0 90. 49.7 ιE 1001 AFTE 99.5 99.0 99.2 9 + . 7 99.7 99,7 y9.? 79.7 49.7 99.7 49.7 24.1 99.7 99.7 4001 46.5 99.0 99.9 98.5 99.2 GF 34.7 99.7 99.7 49.7 99.6 47.4 49.4 29.3 99.8 44. 99.7 99.6 1301 96.8 99.0 99.2 .9. 1 99.7 99.1 6.69 99.8 2001 96.8 26.5 99.4 G F 99. 94.7 99.7 99.7 39.7 4.00 99.4 29 - A 39. A 99.8 99.A 94. F 1001 46.8 78.5 99.0 99.4 170.0 99.9 99.9 91.9 49.9 100.0 100.0 130.0 100.0 100.0 100.0 rl 96.8 99.9 ,9.9 ind.0 10m.n 100.0 100.0 1nd.0 100.0

TOTAL NUMBER OF ORSERVATIONS: 727

PERCENTAGE FREQUENCY OF CCCURPENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER:			_							MCNTH:		HOURS	LST1:	2100-23	
CEILING		•••••	•••••		• • • • • • • • •		PILITY				• • • • • • •	• • • • • • •	• • • • • •		
IN GE FEET 10	GE 6	6 E 5	GE 4	GE 3	2 1/ 2 65	GE	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	G F 5 / 8	GE 1/2	G€ °/16	GE 1/4	O GE
NO CEIL 74.1	75.2	75.3	75.3	75.3	75.3	75 • 3	75.3	75.3	75 • 3	75.3	75.3	75.3	75.3	75.3	75.3
6g 200001 78.6 GE 160001 78.9 GE 160001 79.9 GE 140001 79.7 GE 120001 61.6	79.7 79.9 79.9 3C.8 82.8	79.8 80.0 80.3 80.9 83.0	79.8 80.0 80.0 80.9 83.3	79.8 80.0 80.0 60.9 63.3	79.8 60.0 80.0 FD.9 83.3	79.8 80.0 80.0 80.9 63.3	79.8 80.0 80.0 80.9 83.3	79.8 80.0 87.0 80.9 83.3	79.6 *0.0 *0.0 *0.9 *3.3	79.8 89.9 89.9 80.9 83.3	79.8 90.0 90.0 90.9 83.3	79.8 80.0 80.3 83.9 83.3	77.8 90.0 90.0 80.9 83.3	79.8 80.0 87.0 80.9 83.3	79.8 80.0 80.9 83.3
GE 100001 83.7 GE 90001 65.3 GE 80001 67.3 GE 70001 88.9 GE 60001 90.3	55.1 86.7 88.7 90.3 91.9	85.2 86.8 88.8 90.4 92.0	65.5 87.2 89.1 90.7 92.3	85.5 87.2 89.1 90.7 92.3	85.5 87.2 89.1 90.7 92.3	85.5 87.2 89.1 90.7 92.3	95.5 87.2 89.1 90.7 92.3	85.5 67.2 89.1 90.7 92.3	95.5 87.2 89.1 90.7 92.3	85.5 67.2 87.1 90.7 92.3	95.5 87.2 89.1 90.7 92.3	85.5 87.2 89.1 90.7 92.3	95.5 97.2 99.1 9J.7 92.3	85.5 87.2 89.1 90.7 92.3	85.5 87.2 89.1 90.7 92.3
GE 50001 92.6 GE 45001 93.1 GE 45001 93.9 GE 35001 94.2 GE 37001 94.5	94.2 94.7 95.5 95.8 96.1	94.8 94.8 95.6 96.0 96.3	94.6 95.1 95.9 96.4 96.8	94.6 95.3 96.1 96.7 97.0	94.6 95.3 96.1 96.7 97.0	94.6 95.3 96.1 96.7 97.3	94.6 95.3 96.1 96.7 97.0	94.6 95.3 96.1 96.7 97.3	94.6 95.3 96.1 96.7 97.0	94.6 95.3 96.1 96.7 97.0	94.6 95.3 96.1 96.7 97.0	94.6 95.3 96.1 96.7 97.0	94.6 95.3 96.1 96.7 97.3	94.6 95.3 96.1 96.7 97.0	94.6 95.3 96.1 96.7 97.0
GE 25001 95.3 GE 20001 95.7 GE 18001 95.7 GE 15001 95.8 GE 17001 96.0	96.9 97.3 97.3 27.4 97.6	97.1 97.6 97.6 97.7 98.7	97.5 98.1 98.1 98.2 98.4	97.7 98.3 98.3 98.4 98.6	97.7 76.3 76.3 76.4 96.6	97.7 98.3 98.3 98.4 98.6	97.7 98.3 99.3 98.4 98.6	97.7 98.3 98.3 98.4 98.6	97.7 98.3 98.3 98.4 98.4	97.7 98.3 98.3 98.4 98.6	97.7 98.3 98.3 98.4 98.6	97.7 98.3 98.3 98.4 98.6	97.7 98.3 98.3 98.4 98.6	97.7 98.3 98.4 98.4	97.7 96.3 98.3 98.4 98.6
0E 10004 96.2 SE 9001 96.2 SE 8001 96.3 GE 7001 96.3 GE 6001 96.3	47.8 97.8 98.0 98.0 98.0	98.2 98.2 98.4 98.4 98.4	98.6 98.6 98.8 98.8 98.8	98.8 98.8 99.0 99.0 99.1	98.8 98.8 99.0 79.0 79.1	98.8 98.8 99.0 99.0 99.0	98.8 98.6 99.0 99.0	98.8 98.8 99.0 99.0	98.9 98.9 99.1 99.1	98.9 98.9 99.1 99.1	98.4 98.9 99.1 99.1	98.9 98.9 99.1 99.1	75.4 99.9 99.1 99.1	99.1 99.1 99.2	98.9 98.9 99.1 99.1
GS 5001 96.3 GE 4001 96.3 GE 3001 96.7 GE 2001 96.3 GE 1001 96.3	98.1 98.1 98.1 98.1	9 8 • 5 9 8 • 5 9 8 • 5 9 8 • 5 9 8 • 5	98.9 98.9 98.9 96.9 98.9	99.4 99.4 99.4 99.4 99.4	95.4 95.4 95.4 95.4	99.4 99.4 99.4 99.4	99.5 94.5 99.5 99.5	99.5 99.5 99.5 99.5 99.5	99.6 99.7 99.7 99.7 99.6	90.f 90.7 49.7 99.7 90.8	99.6 99.7 99.7 99.7	99.6 99.7 99.7 99.7	99.6 99.7 99.7 99.7	99.6 99.7 99.7 99.7 99.8	45.6 55.7 99.7 59.7 99.8
GE "1 96.1	98.1	99.5	98.9	99.4	99.4	99.4	39.5	99.5	96.8	99.8	69.6	99.A	99.8	107.0	100.3

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

PEPIOD OF FECORD: 76-67 STATION NUMBER: 727675 STATION NAME: MINOT AFB ND MONTH: AUG POURS(LST): VISIBILITY IN STATUTE MILES 1 GE GE GE GE 2 1 1/2 1 1/4 GE 5 6E 4 GF ÍΝ GΕ GE ΘE 6 E ĢΕ FLET | 10 6 3 2 1/2 5/8 1/2 67.5 67.5 NO CEIL | 65.9 67.5 67.5 67.5 67.5 67.6 47.6 67.7 56.9 67.1 67.3 67.4 67.5 67.7 73.2 73.4 77.5 73.6 GE 200001 71.7 72.8 73.3 73.4 73.4 73.4 73.4 73.4 73.5 73.5 73.5 73.6 GE 180001 71.9 GE 160001 72.0 GE 140001 72.7 GE 120001 74.8 73.6 72.7 74.4 73.6 73 • 6 73 • 7 74 • 4 73.6 73.5 73.7 73.0 73.1 73.6 73.8 73.1 73.3 73.5 73.6 73.6 75.8 73.6 73.7 73.7 74.4 73.2 73.6 73.7 73.7 73.7 73.8 73.9 73.9 73.8 76.0 74.4 73.3 74 . 1 74.4 74.4 74.4 74.5 74.6 76.2 76 . 6 76.6 76 .6 6E 100001 78.6 6E 90001 80.1 6E 80001 83.5 6E 7000; 85.2 89.6 69.7 82.3 85.9 80.7 87.7 80.7 80.9 AJ. 6 82.2 85.8 87.6 32.2 55.9 87.3 86.0 81.5 81.7 81.9 82.3 32.3 P2.3 a 2 • 3 82.3 P2.4 82.5 F 3.5 86.0 87.8 95.1 F6.2 85.3 87.1 96.0 86.0 66.1 67.9 69.2 A5.1 85 . 6 86.0 87.7 87.7 87.7 87.8 P7.8 67.9 49.D 60001 66.3 89.0 ЬE 98.0 A8 . 6 88.9 A8. 9 89.0 94.0 50001 67.8 A9.7 96.2 90.5 96.6 90.7 93.7 90.7 90.7 90.7 90.7 93.7 ¢C.8 ٠., ٠ 90.0 G E 91.4 91.4 92.7 93.5 91.4 91.4 92.7 91.5 4500| 88.4 4000| 89.5 90.7 91.2 91.3 91.4 91.4 91.4 91.6 91.6 GΕ 90.3 90.9 91.5 91.9 92.7 92.2 93.0 92.5 92.6 92.6 93.5 92.6 92.6 93.5 92.8 92.8 f. F 92.5 35001 90.3 43.4 93.5 93.8 94.3 94.4 94.4 94.4 94.5 54.5 95.0 GE 25001 41.8 94.0 94.3 94.6 95.1 95.1 95.2 95. . 95.2 95.2 95.2 95.2 95.3 95.4 95.4 96.1 96.2 96.7 20001 92.6 18001 92.7 15001 93.1 95.2 95.3 95.4 95.9 96.1 96.1 00.1 76.2 95.2 96.2 95.9 96.0 96.7 G E 24.7 45.5 96.0 56.4 94.8 45.6 96.5 96.0 96.1 96.1 96.2 96.2 96.2 96.2 06.3 CF 95.3 96 . 1 96.6 46.7 97.4 96.7 96.7 94.7 96.7 96.8 96.9 12001 93. 10001 94.0 .6.3 97.3 97.8 47.8 97.9 99.0 90.6 98.0 78.1 97.9 98.J 98.2 98.7 GE 9301 94.1 8001 94.1 16.5 97.5 97.4 97.5 98.C 98 - 1 94.1 90.1 96.2 94.2 98.2 78.5 98.3 98.4 98.3 48.2 98.3 98.4 46.5 90 . . 94.2 98.3 99.3 7001 94.2 €001 94.2 97.3 26.7 47.7 GA .4 98.5 90.5 ς R . 6 98.4 99.6 98.7 96.9 97.9 38.8 9.80 76.8 5001 94.7 27.0 94.0 49.2 99.2 97.6 98.3 98.7 98.€ 99.9 99.0 99.1 97.1 99.1 99.1 29.2 4301 94.4 3001 94.4 11.1 27.1 97.6 99.5 G E 98 . . 96 . 3 98.9 99.0 99.1 99.2 99.2 99.3 40.3 99.3 99.4 99.4 49.5 99.3 98.9 99. i 99. 1 99.2 40.4 94.6 ſ, F 99.3 79.4 29.4 99.4 29.5 2001 54.4 39.6 49. υE 27.1 97.8 98.3 99.1 39.4 99.4 99.5 99.6 99.6 99.6 9.7 99.A 69.9 ~1 54.4 G.F 31.1 97.4 48. 4 49.0 94.1 99.1 00. 4 32.4 99.5 90.6 9.6 99.7 99.7 99.9 100.0

TOTAL NUMBER OF GUSFRVATIONS: 7434

PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

STATIO	N NUMBER:	727675	STATE	ON NAME:	MI NO	1 AFS ND					PEPIOD	OF RECO	RD: 77	-86		
											MONTH			(LST): 7		
CEILIN		• • • • • • •	•••••	• • • • • • • •	• • • • • •	••••••			IN STATE			• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	•••••
IN	l GE	G£.	GE	GE	GE	65	G f	30	14 21 mil	GE	0.6	G€	GŁ	GE	G£	GE
FEET	1 10	6	5	4		2 1/2		1 1/2		1	3/4	5/8	1/2	5/16	1/4	0.
NG CEI	L 1 59.2	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
6.5. 2.10	001 . 2 2															
	001 62.7	62.9	63.0	63.1	63.1	03.1	63.1	63.1	63.1	63.1	67.1	63.1	63.1 63.1	63.1	6 7 1	63.1
	001 62.7	62.9 62.9	63.0 63.0	63.1 63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	-	53.1	63.1	£3.1
	001 64.5	63.4	63.6	63.7	63.1	63• i 63• 7	63.1	63.1 63.7	63.1	63.1 63.7	67.1	63.1 63.7	63.1 63.7	63.7	67.7	£ 3 · 1
	001 65.3	65.6	65.7	65 • B									65.4	65.d		(3.1
Gr 12:	001 65.5	0.200	65.1	63.6	65.8	65.8	65 • 8	65.8	65.P	65.6	65.8	65.8	07.7	6.5.9	65.8	€5.4
65 100	CO 68.1	68.3	68.4	68.6	68.6	66.6	68.6	64.6	68.6	68.6	69.6	£9.6	68 • 6	68.6	68.6	68.6
GE 9r	001 70.3	70.6	70.7	70.8	70.8	70.€	79.3	73.8	7g. A	70.6	77.8	73.8	70.8	70.8	77.5	7C • 8
GE 8Ĉ	331 72.9	73.1	73.2	73.3	73.3	73.3	77.3	73.3	73.3	73.3	7 7 . 3	73.3	73.3	73.3	73.3	73.3
GE 70	001 74.9	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.5	75.3	75.3	75.3	15.3	75.3
6E 6"	001 77.6	77.8	77.9	76.3	78.J	78. O	79.0	79.0	78.7	79 • G	78.7	74.0	78.7	76.0	79.0	76.0
GE 50	0.08 103	81.6	81.7	91.8		91.6	81.8	01.5			21.0	0.1.0				6.5
	CO1 62.9	83.6	83.7	83.6	81.8 83.8	93.8	83.8	81.8 83.8	81.8	81.8 83.8	81.9	81.8	81.8	P1.6	H1.8	F1.8
	001 83.4	94.1	84.2	93.6 84.3	84.3	# 3 · 8 8 4 · 3	84.3	84.3	93.A 84.7	A4.3	81.9 84.1	83.8 94.3	03.4	#3.8 F4.3	H ₹ • 8 8 4 • 3	83.8 54.3
	001 85.1	85.9	86.0		86.1	F6.1	86 • 1	86.1	86.1	26.1	86.1	86.1	84.3 86.1	P6.1	H6.1	-4.3
	001 86.9	97.7	87.8	96.1 97.9	87.7	57.9	87.9	87.9	67.9	-7.9	67.9	87.9	97.9	-7.9	67.9	F 1 • 9
0 (3)	001 00.7	3101	6 / • 0	71.7	6/17	31.4	01.9	51.9	87.9	-1.4	81.4	01.47	31.4	- / • •	5/.4	F 7 • 4
6E 25	GJJ 68.3	A9.3	89.4	84.6	87.6	85.6	89.6	89.6	89.6	99.E	89.6	P9.6	89.6	99.0	89.6	89.6
	001 89.7	93.2	90.3	96.4	93.4	96.4	90.4	93.4	90.4	90.4	90.4	93.4	93.4	95.4	40.4	50.4
GE 18	GC! 89.7	93.7	9.06	90.9	90.9	90.9	90.9	93.4	90.9	9.00	47.0	90.9	93.9	93.9	97.9	95.9
GF 15	001 90.6	71.6	91.7	91.6	91.8	91.6	91.9	91.8	91.4	91.A	91.8	91.8	91.A	91.8	91.4	91.5
GE 12	00 91.1	32.2	92.3	92.4	92.8	92.6	92.8	92.8	92.5	92.8	9.7.A	92.A	92.8	92.8	92.8	92.8
6E 10	001 91.6	92.7	92.8	92.9	93.2	93.2	93.2	93.2	93.2	23.2	97.2	93.2	93.2	23.2	93.2	93.2
	DC1 92.1	93.2	93.3	93.4	93.6	93. h	93.8	93.8	93.A	33.E	9 1 9	93.R	93.A	93.8	9.7.6	93.8
	101 92.3	93.7	93.9	94.0	94.3	94.3	94.4	94.4	94.4	04.4	94.4	94.4	94.4	94.4	94.4	94.4
	001 92.6	94.2	94.8	94.9	95.2	46.2	95.3	95.3	45. ?	95.3	96.1	95.3	75.3	95.3	95.3	45.3
	601 92.6	94.2	94.9	ن 95	95.3	75.3	95.4	95.4	95.4	95.4	9 2 4	25.4	95.4	95.4	95.4	45.4
000	721,					. 36 3	,,,,,	, , , ,	,,,,,		,	•,,•,	,,,,,	.,,,,	,,,,,	
	601 92.6	.4.6	95.3	96 . L	96.7	46.7	96.8	96.4	76.9	96 . ₺	96.8	96.8	96.9	96.8	96.8	96.8
	001 92.7	74.8	95.6	96.2	47.6	77.6	97.9	97.9	97.9	98.0	98.0	98.5	98.0	C.89	98.0	96.0
	601 92.7	94.8	95.6	96.2	97.3	97.B	98.6	98.7	94.7	9.90	90.8	98.8	98.8	98.8	94.8	98.5
GE 2	DC1 92.7	94.6	95.7	96.3	98.1	98.1	99.0	99.1	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7
6 E 1	CO 92.7	94.8	95.7	96.3	98.1	?₺.1	30.0	99.1	19.2	99.7	99.A	99.A	99.9	99.9	99.9	10.0
6 E	01 92.7	94.8	95.7	96.3	99-1	96.1	99.5	99,1	99.2	79.7	90.8	99.8	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 940

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PERCENTAGE FREWLENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY
FROM HOUDLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINCT AFE NO PERIOD OF RECURD: 77-86 MONTH: SEP HOURS (LST): 0303-0500 VISIBILITY IN STATUTE MILES GE GE GE GE 2 1 1/2 1 1/4 1 CEILING IN | GE FEET | 10 GE 6 G ε 5 G F GE GE 3 2 1/2 GE fs F GE GE 1/4 5/16 1/4 5/8 1/2 n 56.7 NO CEIL | 56.3 56 . 3 57.0 57.1 57.2 57.2 57.2 57.2 57.2 GE 200001 58.9 59.8 59.8 59.8 59.8 59.9 60.2 GE 18C00| 59.3 GE 16C00| 59.3 59.7 59.7 59.8 60.0 ۵.13 60.1 60.2 60.2 60.2 60.2 60.2 60.2 60.2 63.2 60.2 60.2 59.7 59.8 60.0 60.0 # C. C GE 140001 59.3 60.2 60.2 60.2 60.2 60.2 60.0 60.2 60.2 60.1 GE 120001 61.6 61.9 61.9 62.0 62.2 62.2 62.3 62.4 62.4 62.4 62.4 62.4 62.4 62.4 62.4 62.4 GE 100001 64.3 GE 90001 67.3 64.7 67.8 70.9 73.1 64.7 64 . 8 65.0 65. C 65.1 65.2 65.2 65.2 65.2 65.2 65.2 68.3 65.2 68.3 71.4 65.2 6°.3 71.4 65.2 60.3 67.8 68.3 68.3 67 • 9 71 • 0 69.1 71.2 69.2 69.3 6B.3 68.3 71.4 68.1 80001 70.4 70.9 71.2 71.3 71.4 71.4 71.4 71.4 71.4 71.4 73.9 70001 72.7 71.9 75.8 73.9 73.9 73.2 73.3 73.7 73.7 73.8 73.9 73.9 73.9 73.9 73.9 75 . 8 80.9 P0.8 GE 50 gg | 78.7 79.2 79.8 79.9 80.0 3 • CR 83.3 80.0 80.0 80.0 79.4 83.0 8 C . 1 8 1 . 1 80.2 81.2 87.6 61.6 80.6 A1.6 P1.8 6 E 80.7 80.8 80.9 80.8 8 C . 5 GE 81.7 81.8 81.8 81.8 P1.8 81.8 P1.8 91.8 91.8 40001 80.1 35001 61.0 82.3 83.9 82.1 62.2 82.6 82.7 82.8 84.7 52. R 92.8 82.9 82.8 82.8 P2.8 62.8 F2.8 30001 62.5 84.7 84.1 94.7 94.7 84.7 54.7 84.7 4. 4 84.6 86.2 87.2 87.6 85.7 66.2 GΕ 25001 64.3 45.4 86.2 86.3 9t.2 A 6 . 2 86.0 96.0 86.1 86.2 86.2 20001 85.3 87.2 87.6 87.2 87.6 87.2 87.5 87.2 87.6 G E 26.4 86.6 67.0 P7.0 87.1 87.2 P7.2 R7.2 A7.6 87.6 87.4 87.6 A7.6 6 E 96.8 86.9 87.0 87.3 87.3 15001 86.9 88.7 88.7 88.9 88.9 6 E 90.6 89.0 12001 88.2 99.6 89.7 90.2 96.2 90.3 73.6 90.6 97.5 90.6 90.6 90.6 90.6 90.6 6 E 91.1 92.0 92.1 10001 89.8 90.9 91.1 92.3 GΕ 90.1 93.2 90.3 90.0 co. B 91.1 91.1 91.1 91.1 91.1 91.1 91.1 GE 90.8 91.3 91.7 91.8 92.C 92.5 92.0 92.5 92.0 92.0 97.0 91.1 91.7 8001 89.4 93.9 91.1 91.8 92.1 92.1 92.1 92.1 92.1 92.1 92.1 92.4 7001 69.7 91.2 92.7 92.7 92.7 92.7 92.7 6 E 91.6 91.7 92.2 92.3 92.7 92.7 92.7 72.7 6001 95.6 97.3 98.8 95.6 GE 5 30 (9-,7 95.2 95.6 95.6 95.6 95.6 95.6 95.6 95.0 95. C 95.6 4001 90.7 93.1 95.0 95.3 96.3 97.3 GE 94.4 95.8 56.D 97.1 97.1 97.3 97.3 97.3 97.3 3001 90.7 93.2 94.7 98.9 GΕ 96.4 96.7 98.4 98.4 98.8 98.8 98.9 98.9 96.6 99.0 99.1 99.1 G.F 2001 90.7 93.2 94.7 95.3 97.7 98.7 99.2 99.3 99.3 99.3 1001 90.7 97.8 98.8 99.1 99.6 G € 93.2 94.7 95.3 96.6 46.8 98.7 99.2 99.6 9.90 GE 01 93.7 93.2 95.3 96.6 36.8 97.B 98.7 98.4 99.1 99.2 99.2 99.4 99.6 99.6 100.0

PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

							07 AF3 NO					MONTH	: SEP		(LST):		
 C F I	 LING	• • • • •	• • • • • • •	••••••		• • • • • •	••••••	V 151	AIL IT Y	IN STATE		••••••	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	•••••••
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	66	GE	GE	GE	GE	GE
FE	ET	10	U	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/6	1/2	c/16	1/4	۵
	• • • • • •			• • • • • •	• • • • • •		· • • • • • • • • • • • • • • • • • • •	• • • • • •	• • • • • • •	• • • • • • •		• • • • • •		• • • • • • •	• • • • • •		
N C	CEIL	49.6	5 0+ 3	50.8	50,9	5ე.9	51.6	51.0	51.0	51.0	51.0	51•ŋ	51.0	51.2	F1.2	51.3	51.3
ьE	200001	52.4	5 3 • 2	53.7	53.8	53.8	53.9	53.9	53.4	53.7	53.9	57.9	53.9	54.1	54.1	54.2	54.4
6 E	180001	52.9	5 3 • 7	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54 3	54.3	54.3	54.6	54.6	54.7	54.9
GE	160001	53.4	54.2	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.1	55.1	55.2	55.4
GΕ	140001	53.8	54.6	55.0	55 • 1	55 • 1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.4	55.4	55.6	55.6
GE	120001	55.7	56.4	56.9	57.J	57.j	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.3	57.3	57.4	57.7
S F	100001	58.9	59.7	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	63.6	63.6	60.7	6 ₆ .9
GΕ	92001			61.3	61.4	61.4	61.6	61.6	61.6	01.6	61.6	61.6	61.6	61.8	61.8	61.9	62.1
GΕ	80001		65.2	65.8	65.9	65.9	66. D	66.0	66 · O	66.0	66.8	66.3	66.0	66.2	66.2	66.3	56.6
	70001		68.6	69.1	69.2	69.2	69.3	69.3	69.3	09.3	59.3	69.3	69.3	69.6	69.5	69.7	69.9
GE	60001		69.5	70.6	70.7	70.7	76.8	70.8	79.8	70.8	70.6	77.8	70.8	71.0	71.0	71-1	71.3
GE	50001	72.3	73.6	74.2	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.7	74.7	74.8	75.J
GE	45 60 1			75.2	75 . 3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.7	75.7	75.8	76.0
G E	40001			76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.1	77.1	77.2	77.4
GF	31.301		76.6	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77 • 7	77.7	77.8	76.J
GE		76.6		78.8	78.9	78.9	79.5	79.0	79.0	79.3	79.0	72.0	79.0	79.2	79.	79.3	79.6
GΕ	25031	77.9	79.6	80.3	8C.6	87.6	8C.7	89.7	80.7	80.7	90.7	87.7	A () . 7	87.7	80.9	81.0	P1.2
ĢΕ	20001		91.8	82.6	82.6	82.8	82.9	82.9	82.9	82.9	82.9	87.9	82.9	83.1	P3.1	83.2	E 3.4
GE	1800	60.4	92.4	83.2	83.4	83.4	83.6	83.6	83.6	83.6	B3.6	83.6	83.6	83.8	83.8	63.9	44.1
GΕ	15001	81.6	93.8	84.6	84.8	84.8	64.2	84.9	84.9	84.9	P4.9	84.9	84 9	85.1	85.1	65.2	P5.4
GΕ	12001	82.7	45.4	86.2	86.4	86.6	86.7	85.7	86.7	86.7	P6.7	86.7	86.7	96.9	86.9	87.D	#7.2
GΕ	10001	E 3 . 4	86.7	87.4	87.7	67.8	2.89	88.0	88.1	86.1	88.1	88.1	88.1	88.3	PB.3	89.4	P8.7
G E	9001	83.6	97.2	88.2	88.4	88.7	86.9	89.9	89.6	69.0	99.0	89.0	89.0	89.2	59.2	89.3	89.6
ĞĒ	8001	0.19		88.9	89.1	89.4	85.7	89.7	93.0	92.0	90.0	97.3	90.0	90.2	93.2	90.3	90.6
GE	7.00	E4.4	89.4	89.4	89.8	90.3	90.6	90.6	93.9	90.9	90.9	97.9	90.9	91.1	91.1	91.2	91.4
υE		€4.7		90.2	90.6	91.4	91.7	91.8	92.2	92.2	92.2	97.3	92.3	92.6	92.6	92.7	92.9
G E	fnol	£5.0	99.8	91.4	92.2	93.6	93.6	94.0	94.7	94.7	94.7	94.8	94 . A	95.0	95.0	95.1	95.3
υE		85.4	70.6	92.4	93.3	94.9	95.2	95.6	96.2	96.3	96.6	96.7	96.7	96.9	96.9	97.1	97.3
GE		25.4		92.7	93.7	95.3	95.7	46.1	97.0	97.2	97.6	97.7	97.7	97.9	97.9	98.1	96.4
G E		25.4		92.8	93.8	95.4	95.6	96.4	97.3	97.6	78.1	99.2	98.2	98.4	98.4	98.7	99.4
GE		85.4	93.7	92.8	93.8	95.4	95.8	96.4	97.3	97.6	98.1	98.2	98.2	98.4	98.4	98.7	100.0
G E	2.1	£5.4	96.7	92.8	93.8	95.4	61.6	04 1	07.	07 (00 #	00 1:		100.0
U T.	u t	C 9 . 4	700/	72.00	A7.0	75.4	65.8	96.4	97.3	97.6	98.1	98.5	68.5	98.4	98.4	A 10 . 1	100.0

OCC : SMOITAVASSED TO ASEMUM LATOT

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

STATION NUMBER:	727675 S	SMAN NOTTAT	: MINO						HONTH		FOLRS	ilst): (CC
CEILING	• • • • • • • • • • • • • • • • • • • •		• • • • • • •	•••••			IN STATE			• • • • • • • •	• • • • • • •			*
IN GE	GE	GE GE	GE	GE	GE	GE	GE	GE	GE	Gŗ	GΕ	GE	GŁ	GE.
FEET 1 1C	6	5 4		2 1/2		1 1/2		1	7/4	5/8	1/2	5/16	1/4	0.0
										• • • • • • •				
			•								• • • • •			
NO CEIL 48.0	49.2 4	9.2 49.3	49.4	49.6	49.6	49.6	49.6	49.7	49.7	49.8	45.8	49.8	49.8	49.9
GE 200001 52.0	53.2 5	3.2 53.3	53.4	53.6	53.6	53.6	53.6	53.7	53.7	53.8	53.8	53.8	53.8	53.9
GE 180001 52.3		3.6 53.7	53.8	53.9	53.9	53.9	53.9	54.C	54.0	54.1	54 • 1	54.1	54.1	54.2
GE 160001 52.4		3.7 53.6	53.9	54.0	54 • C	54.3	54.7	54.1	54.1	54.2	54.2	64.2	54.2	54.3
GE 147001 53.3		4.6 54.7	54.8	54.9	54.9	54.9	54.9	55.0	55.0	55.1	55 • 1	55.1	55.1	55.2
GE 120001 56.4		7.7 57.6	57.9	56.3	58.3	58.0	58.0	58 - 1	5 P • 1	58.2	58.2	F8.2	59.2	56.3
					3.10		•							
6E 130001 60.0	61.3 6	1.3 61.4	61.6	61.7	61.7	61.7	61.7	61.8	61.0	61.9	61.9	61.9	61.9	62.0
GE 90GD1 61.2	62.6 6	2.6 62.7	62.4	63.C	63.0	63.0	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.3
GE 80001 64.4		6.2 66.3	66.6	66.7	66.7	66.7	66.7	66.8	66.8	66.9	66.9	66.9	66.9	67.0
GE 70001 66.6		8.6 68.7	69.9	69 · G	69.0	69.0	09.0	69.1	69.1	69.2	69.2	69.2	69.2	69.3
GE 60001 67.9	75.0 7	0.0 75.1	70.3	70.4	70.4	70.4	70.4	70.6	77.6	73.7	70.7	70.7	70.7	7C.8
							-					_		
GE 50001 70.4	72.6 7	2.6 72.7	72.9	73.0	73.0	73.€	73.0	73.1	73.1	73.2	73.2	73.2	73.2	3.3
GE 45001 70.9	73.C 7	3.0 73.1	73.3	73.4	73.4	73.4	73.4	73.6	77.6	73.7	73.7	73.7	73.7	73.6
GE 40001 72.4	74.6 7	4.6 74.7	74.9	75.6	75.0	75.0	75.3	75.1	7 . 1	75.2	75.2	75.2	75.2	75.3
GE 35001 73.1	75.2 7	5.2 75.3	75.6	75.7	75.7	75.7	75.7	75 . 8	75.9	75.9	75.9	75.9	75.9	76.0
GE 30001 75.3	77.4 7	7.4 77.6	77.9	78. D	78.0	78 • G	78 . C	78.1	70.1	78.2	78 • 2	78.2	79.2	76.3
GE 25001 77.2	79.3 7	9.3 79.4	79.8	79.9	79.9	79.9	19.9	40.0	87.0	53.1	1.03	۰., د، ه	80.1	R2.2
GE 20001 78.9	81.0 8	1.1 81.2	81.6	81.7	61.7	81.7	81.7	81.8	81.8	81.9	81.9	P:.9	51.9	82.0
GF 180G 79.1	81.2 8	1.3 81.4	01.5	81.9	81.9	81.9	81.9	P2.0	82.5	82.1	82.1	92.1	82.1	82.2
6E 15gpl 81.9	34.4 8	4.6 84.9	65.2	85.3	85.3	85.3	85.3	P5.4	95.4	85.6	85 • 6	95.6	55.6	85.7
GE 12001 84.1	87.2 8	7.4 87.9	88 • 2	98.3	88.3	88.3	88.3	98.4	88.4	88.6	88.6	98.6	89.6	P6.7
6E 1560 85.1	88.9 8	9.1 89.6	ទព•ដ	9C.1	9℃•1	90.1	90.1	60.5	97.2	90.3	93.3	90.3	90.3	96.4
GE 930 86.1		0.8 91.3	91.5	91.9	91.9	91.9	91.9	92.0	97.0	72.1	92.1	92.1	92.1	92.2
GE 8001 86.8	91.4 9	1.7 92.3	92.8	92.9	92.9	92.9	92.9	93.0	97.7	93.1	93.1	93.1	93.1	93.2
CE 700 86.9	72.C 9	2.4 93.1	93.6	93.7	93.7	93.7	93.7	93.8	93.8	93.9	93.9	93.9	91.9	94.0
GE 6601 87.4	92.9 9	3.3 94.0	95.3	95.1	95.1	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.7
GE 500 87.6		4.1 95.5	96.4	96.6	96 .8	97.1	97.1	97.3	97.4	97.6	97.7	97.7	97.7	97.8
GE 4001 87.6		4.3 95.4	97.2	97.4	97.7	98.2	98 ± 2	96.6	98.7	98.8	99.9	99.0	99.0	99.1
GE 3001 87.7		4.6 95.7	97.4	97.8	98.1	98.7	98.7	99.1	99.2	99.3	99.4	99.6	99.6	99.9
GE 2001 87.7		4.6 95.7	97.4	97.8	99.1	98.7	98.7	99.1	99.2	99.3	99.4	99.6	99.6	100.0
GE 1001 87.7	94.0 9	4 • 6 95 • 7	57.4	97.8	98.1	98.7	48.7	99.1	99.7	99.3	99.4	99.6	99.6	100.0
GE 01 87.7	94.6 9		0.7	0.7 +	00.				00 -		00 "	00 /		100 0
ar al 91•1	74.0 9	4.6 95.7	97.4	97.8	98.1	98.7	98.7	99.1	99.2	99.3	99.4	99.6	99.6	100.0
	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • •	• • • • • • •		• • • • • •	• • • • • • •	• • • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •

PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86

MONTH: SEP HOURS(LST): 1200-1400 STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND VISIBILITY IN STATUTE MILES
GE GE GE GE CEILING GE 5 GE GE ٥E GE GE GE 2 1 1/2 1 1/4 GE FEET I 3 2 1/2 1 10 6 3/4 5/6 1/2 5/16 1/4 NC CEIL | 47.3 48.1 48.1 48.1 48.1 48.3 48.3 48.3 48.3 48.3 46.3 48.3 48.3 48.3 48.3 48.3 GE 200001 53.6 54.6 55.0 55.1 54.6 55.2 55.1 54.6 55.0 55.1 54.3 54.3 54.3 54.3 54.6 54.6 54.6 54.6 54.6 54.6 54.6 GE 18700| 54.0 GE 16700| 54.1 GE 14000| 54.6 55.7 55.1 55.6 55.0 55.1 55.6 55.C 55.1 55.0 54.6 54.9 55.3 55.0 55.1 55.6 55.0 55.1 55.0 55.1 54.8 54.9 54.9 54.8 54.9 55.2 55.1 54.9 55.3 55 • 1 55 • 6 55.5 55.3 55.3 55.6 55.6 55.6 55.6 55 . 6 55.6 GE 120001 56.8 57.9 57.9 57.9 GE 10-001 58.6 59.4 59.8 59.8 59.8 59.€ 59.8 59.8 59.A 60.6 63.1 65.8 60.2 66.2 62.8 60.2 62.8 60.6 60.6 63.1 63.6 63.1 63.1 GE 90001 59.3 63.2 60.6 60.6 60.6 60.6 60.6 63.1 63.1 80001 61.8 62.8 GE 65.8 63.1 63.1 70001 63.9 65.2 65.4 65.4 65.4 65.8 65.8 65.8 65.4 65.8 65.8 65001 64.8 66.9 66.9 66.9 66.9 5 € 66.3 66.6 66.6 66.6 66.9 66.9 66.9 66.9 66 • 9 65.9 66.9 GΕ 5001 66.6 68.1 68.7 68.7 68.7 68.7 68.7 68.7 68.7 68.3 68.7 68.7 68.7 69.9 69 . 3 68.7 45001 68.0 70 • 2 72 • 6 74 • 7 GE 69.7 69.9 69.9 70.2 10.2 70.2 79.2 73.2 7J.2 72.6 70.2 72.6 76.2 72.6 7g.2 70.2 40001 70.3 72.2 74.3 72.6 14.7 72.6 74.7 72 • 6 74 • 7 72.6 72.6 GE 72.0 72.2 72.6 35001 72.3 74.7 30001 76.0 GE 77.8 78.C 78.0 78.0 78.3 79.3 78.3 78.3 70.3 78.3 78.3 78.3 78.3 76.3 GE 25501 80.2 82.2 82.4 62.4 82.6 85.3 62.9 82.9 82.9 82.9 82.9 82.9 82.9 82.9 P2.9 62.9 82.9 20001 62.8 85.8 85.8 85.A 85.8 85.8 GE 55.2 05.8 85.8 85.8 85.8 35.0 85.2 25.7 85.8 87.1 A7 . I 90 . 2 87.1 90.2 87.1 90.2 G E 18001 84.1 87.0 87.1 87.1 87.1 87.1 87.1 87.1 15001 86.3 59.1 89.4 89.7 89.8 90.1 90.2 90.2 90.2 90.2 90.2 90.2 90.2 GE 12001 68.0 91.2 91.7 91.9 92.0 92. 7 92.7 92.7 92.4 92.7 94.6 94.6 GE 10001 88.7 92.4 93.7 93,4 93.9 94.3 94.6 94.6 94.6 54.6 GΕ 9001 89.4 FOOI 89.9 93.2 93.8 94.4 94.9 95.3 95,6 95 · 6 95.6 95.6 91.6 95.6 95.6 95.6 95.6 95.6 95.3 96.8 96.8 ÜE 94.1 95.9 96.4 96.B 96.8 96.9 96.8 96.8 96.8 7001 90.1 94.7 95.3 96.7 97.2 97.4 97.6 97.6 97.6 97.6 97.6 97.6 97.6 57.6 6001 90.7 98.6 98.6 98.6 GE 95.3 96.1 96.9 97.7 96.2 98.4 98.6 98.6 98.6 98.6 98.6 98.6 GE 5001 90.8 95.4 96.2 97.0 97.8 98.9 98.9 98.9 99.9 98.9 98.3 98.6 98 . 8 ¥6.8 98 . 9 98.9 96.4 97.3 G E 4001 90.8 95.4 98.3 99.0 99.4 99.8 99.8 100.0 100.0 100.0 100.0 100.0 100.0 100.0 6 F 99.8 130.0 3001 90.P 95.4 96.4 97.3 98.3 99. D 09.4 99.8 100.0 100.0 100.0 100.0 100.0 100.0 2001 90.8 96.4 99.0 99.8 100.0 160.0 98.3 100.0 100.0 95.4 100.0 100.0 99.0 GF 1001 90.8 96.4 99.4 99.8 97.8 100.0 190.0 100.0 100.0 100.0 100.0 100.0 GE al 90.8 35.4 96.4 97.3 99.3 99.0 99.4 99.8 99.8 100.0 100.0 100.0 1000 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS: 900

0

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GLOBAL CLIMATOLOGY BRANCH USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

PEPIOD OF PECOPD: 77-86 MONTH: SEP HOURS (LST): 1500-1700 GE GE GE 5/8 1/2 c/16 GE O 1/4 NO CEIL | 48.4 49.6 49.6 49.6 GE 200001 54.7 55.8 55.6 55.8 55.8 55 • 8 56 • 2 56 • 2 55.8 56.0 56.2 56.2 56.2 56.2 GE 180001 55.1 56.C 56.2 56.2 56.2 56.2 56.2 56.2 55.2 56.2 GE 160001 55.1 GE 140001 55.6 56.0 56.4 56.2 56.2 56.0 56.2 56.2 5.6.2 56.2 56.2 56.2 50.2 56.7 56.7 56.7 56.1 56.4 56.7 56.7 59.1 GE 12000| 58.0 58.9 58.9 59.1 59.1 59.1 59.1 59.1 59.1 59.1 59.1 61.4 62.2 66.2 6F 100001 60.3 61.2 61.2 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61.4 67.2 €1.4 62.2 62.2 62.2 62.2 92001 61.1 80001 64.6 62.2 62.0 62.0 62.2 62.2 66.2 62.2 GΕ 62.2 65.2 66.2 66.0 67.7 61.7 70001 66.0 67.4 67.4 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 67.7 6,001 66.9 68.7 50001 68.9 45001 72.0 GE 7 C . 4 70.7 70.7 70.7 70.7 70.7 70.7 73.8 77.3 79.4 73.6 76.8 73.8 77.0 73.8 77.0 73.8 77.0 73.9 73.8 77.0 ЬE 73.6 73.8 73.6 73.8 73.6 73.8 73.8 40001 75.1 76.8 77.0 77.0 77.0 77.0 G E G F 35001 77.4 79.2 19.2 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79.4 84.J GE 30001 61.7 83.8 83.8 84 . U 84.C 64.0 84.0 84.0 84.0 84.0 84.0 84.7 P4.0 84.0 44.0 25001 86.1 88.9 89.9 88.9 GE A8.4 88.6 88.9 88.9 89.9 88.9 P8.9 89.8 68.9 98.9 86.5 98+6 97.0 97.8 92.1 2001 87.3 89.8 90.3 90.6 90.6 90.6 90.6 90.6 90.6 93.6 93.6 90.6 96.6 91.4 G F 1800| 88.C 90.6 91.2 91.2 92.8 91.2 91.4 93.1 91.4 91.4 91.4 91.4 93.1 91.4 91.4 91.4 91.4 G£ 12001 92.3 93.7 93.7 93.7 93.7 ſ, F 1000L 89.7 9 3 . 1 93.4 94.1 94.1 94.1 94.4 04.4 44.4 94.6 44.6 94.6 94 - 6 94.6 4.40 94.6 95.3 9001 69.9 93.8 95.4 96.4 96.5 95.4 95.4 94.1 94.9 95.3 95.0 95.3 95.3 95.4 95.4 95.4 C. E 45.6 8001 90.2 94.2 94.7 95.4 95.6 95.9 95.9 96.0 96.0 96.0 7001 90.2 6331 93.3 94.8 95.1 95.2 95.7 96.1 96.3 96.3 96.8 96.9 97.0 97.1 97.1 97.1 97.1 97.1 97.1 97.1 99.0 5001 99.4 95.2 95.6 96.7 97.4 97.6 98,4 98.6 99.0 98.7 99.0 4001 90.6 3001 90.6 95.3 95.3 96.0 96.0 97.3 97.0 97.9 99.2 99.7 170.0 190.6 100.0 100.0 100.0 100.0 G F 98. C 97.6 100.0 100.0 99.6 98 • C 100.0 6 E 130.0 2001 90.6 95.3 99.2 99.6 100.5 100.0 100.0 100.0 100.0 100.0 100.0 1001 90.6 95.3 96.0 98.C 99.2 99.6 99.7 100.0 100.0 100.0 100.0 100.0 100.0 96.5 97.6 98.0 99.2 GΕ 99.6 99.7 190.0 100.0 100.0 100.0 100.0 100.c 100.0

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREGUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY USAFETAC AIR MEATHER SERVICE/MAC

AIR WEATHER SERVICE/MAC

		_		_			T AF3 NO					MCNIH	OF REC	HOURS	(LS1):		
EILI		• • • • • •		• • • • • • •	• • • • • • •				PILITY				• • • • • • • •	• • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • •
IN	- 1	GŁ	GE	GE	GE	GE	CE	GΕ		GΕ	GE	T-E	GF	GE	υ£	GE	GE.
FEET	: 1	10	6	5	4	3	2 1/2	- 2	1 1/2	1 1/4	1	7/4	5/8	1/2	r./16	1/4	J
••••	• • • •	• • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	••••••	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •
0 CE	IL I	55.7	56.1	56.2	56 • ≥	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	r. 6 • 2	56.2	56.2
E 20	1000	63.0	63.4	63.6	63.6	63.6	53. b	63.6	63.6	63.6	63.6	67.6	63,6	63.6	63.6	63.6	€3.6
E 18	cool	63,4	63.9	64.0	64.0	64.i	64.6	64.0	64	64.3	64.C	64.2	64.0	64.0	64.0	64.0	64.0
E 16	cool	63.4	63.9	64.0	64 . 0	64.0	64.C	64.3	64.J	64.0	44.0	64.7	64.3	64.0	64.0	64.0	£4.0
E 14	l can	63.8	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.7	64.3	64.3	64.3	64.3	64.3
E 12	0001	65.ª	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.5	64. 2	66.5	66.3	66.3	66.3	66.3
E 1g	ooo l	67.9	68.3	58.4	68.4	68.4	68.4	60.4	68.4	65.4	68.4	68.4	69.4	68.4	68.4	69.4	68.4
. 9	COCI	69.1	69.6	69.7	69.7	69.7	69.7	69.7	69.7	09.7	59.7	69.7	69.7	69.7	49.7	69.7	69.7
£ 8	real	72.3	73.1	73.2	73 . ≥	73.2	73.2	73.2	73.2	13.2	73.2	7	73.2	73.2	73.2	73.2	73.2
E 7	1000	73.4	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74 . 3	74.3	74.3	74.3
6	0001	74.1	74.9	75.0	75 • C	75 • J	75.0	75.0	75.U	75.0	*5 • C	75.5	75.3	15.7	75.0	75.0	75.ü
5 5	noal	76.8	77.6	77.7	77.8	77.8	77.B	77.9	77.8	77.R	77.8	77.2	77.8	77.A	77.8	17.6	77.8
E 4	5001	79.6	90.3	88.4	85.6	83.6	50.6	87.6	A0.6	80.5	90.6	87.5	4.CA	83.6	a D . 6	80.6	PC.6
E 4	naal	87.2	93.0	83.1	83.2	83.2	P 3 • 2	83.2	93.2	d3.2	P3.2	87.7	93.2	53.2	P3.2	63.2	93.2
E 3	35 en	84.6	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.6	#5·6	85.6	85.6	85.6	25.6	85.6	#5.6
Ε 3	scapi	86.7	97.6	87.8	87.9	87.9	P7.9	87.9	87.4	87.9	97.9	87.9	A7.9	87.9	97.9	67.9	A 7.9
		8.83	19.8	90.4	90.6	97.6	°G. 7	90.7	90.7	¥3.7	90.7	97.7	90.7	20.7	90.7	90.7	90.7
Ε ;	10005	89.6	90.9	91.7	91.5	92.0	92.1	92.4	92.4	92.4	32.4	92.4	92.4	92.4	92.4	92.4	9 4
E 1	10281	89.9	91.3	92.1	92.2	92.4	92.6	92.9	92.9	65.3	72.9	97.9	92.9	92.9	92.9	52.9	92.9
E 1	15001	90.4	92.1	92.9	93.3	93.3	9 3. 4	93.8	93.3	93.8	93.8	9 . 9	93.H	43.4	93.6	93.8	93.8
: 1	15001	9.7.7	92.3	93.1	93.2	93.6	93.6	94.1	04.1	74.1	94.1	94.1	04.1	94.1	94.1	44.1	64.1
		91.1	93.0	93.4	93.9	94.2	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.0	94.9	94.9	94.4
		91.3	73.3	94.2	94.6	94.7	√5 -1	95.7	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95 • 7
		51.3	93.3	94.2	94.6	94.9	95.1	75.7	95.7	95.7	95.7	90.7	95.7	95.7	75.7	95.7	95.7
F.		91.9	93.9	94.5	95.2	95.6	95.8	96.6	76.7	46.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
	6001	92.3	94.3	95.3	95.9	96.3	96.6	97.4	97.7	97.7	97.7	97.7	91.7	97.7	97.7	97.7	÷1.7
		92.4	94.6	95.9	96 • 7	97.2	27.6	98.4	98.9	98.9	99.0	99.7	99.5	49.7	99.3	\$9.D	9.0
Ε		52.4	34.7	96.0	96.4	97.6	40.0	99.0	99.6	97.7	99.9	90.0	99.9	99,9	99.9	99.9	34.9
E	3001	92.4	94.7	96.0	46.9	97.4	78. D	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.3	100.0	100.0
Ε	2001	92.4	94.7	96.0	96.9	97.6	3.8€	99.1	39.7	99.a	100.0	100.0	100.0	100.0	100.0	107.0	100.0
Ī	1001	92.4	74.7	96.3	96.9	97.6	₩₽• C	99.1	99.7	99.4	170.0	100.0	100.0	130.0	100.0	100.0	100.0
_	c I	92.4	44.7	96.3	96.9	97.6	٠٤٠٠	99.1	99.7	99.R	173.0	100.0	100.0	100.0	120.0	100.0	100.0

PERCENTAGE FREGULNCY OF OCCURPENCE OF CETEING VIRSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS NU PERIOD OF RECUMD: 77-86 MONTH: SEF — HOURSTESTE: 2100-2364

												Marie Ch.				2100-57		
	LING	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •				IN STATE			••••	• • • • • •	•••••		• • • • • • • • • • • • • • • • • • • •	٠
1	in I	CF	GE	Gξ	űE	GE	<u>6:</u>	GŁ	C٤	٥ŧ	GE	I, E	61	5 E	Ģ€	6.6	ü.F	
	ET 1	10	ь	5	4		2 1/2	2			1	1/4	·/+	1/2	1116	1/4	ت	
• • •	• • • • •	• • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • • •	٠
																	£1.9	
NC	CFIF !	61.8	61.8	61.9	61.9	61.	61.9	61.9	61. 9	61.9	61.5	01.0	61.9	61.0	11.4	61.6	6.7.4	
J. 6	200001		66.3	66.4	66.4	66.4	66.4	66.4	66.4	56.4	66.4	64.4	66.4	56.4	46.4	c.f.4	66.4	
	180001		66.9	67.3	67.0	67.0	67. C	67.C	67.8	67.	67.0	67.1	67.0	67.2	67.0	67.0	67.	
	160001		56.9	67.0	67.3	67.0	67.0	67.0	67.0	07.7	67.3	57.0	67.0	67.0	67.0	57.C	61.5	
	140001		67.0	67.1	67.1	67.1	57.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	57.1	67.1	
	120001		58.9	69.0	69.	69.0	5 4 • C	69.3	69	63.3	69.0	62.2	5 * 10	(3.3	14.3	69.0	44.5	
	,					•						•						
GΕ	100001	71.6	71.6	71.7	71.1	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	72.7	11.7	71.7	
G F.			73.6	73.7	73.7	73.7	73.7	72.7	73.7	73.7	73.7	71.7	73.7	73.7	73.7	7 7 . 7	73.7	
GΕ	80001	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76 · 1	76.1	76.1	
ù F	70001	77.7	77.7	77.8	77.8	77.8	77. B	77.8	77.8	77.A	77.A	77.9	77.6	77.9	77.4	77.8	· 1 . n	
GĒ	60001	73.A	78.8	78.9	76.9	78.9	76.9	78.9	78.9	70.5	78.9	78.9	7A.4	78.7	7 A G	14.4	10.7	
GE	50001	62.3	82.3	82.4	82.4	62.4	92.4	82.4	82.4	92.4	92.4	d?.4	87.4	45.4	92.4	F2.4	82.4	
ĿΕ	45001	84.4	64.4	84.6	84.6	64.6	84.6	94.6	94.6	84.6	R4.6	84.6	84.6	R4.6	£4.6	64.6	F4.ti	
ŭΕ	40001	85.3	£5.3	85.4	85.4	65.4	P5.4	85.4	85.4	65.4	95.4	Br.4	p 5, 4	P5.4	a 5 . 4	# 5 . 4	H S . H	
GΕ	35 00 1	86.9	96.9	87.0	87.C	87.0	₽ 7 • U	87.0	87.0	67.3	A7.0	87.7	97.9	47.0	P7.3	#7.C	47.c	
υE	30001	6 R . 6	88.6	88.7	80.7	89.7	56. 7	88.7	98.7	od • 7	88.7	80.7	98.7	84.7	99.7	8 F . 7	P 6 . 7	
5 E	25001		92.4	90.6	40.0	93.6	್ಲ∙ 6	93.6	97.0	43.6	90.6	97.6	30.E	90.5	37.0	5 ~ 6	90.0	
G F.	2000		71.7	91.4	9:.8	91.A	01.8	91.8	91.8	¥1.9	91.e	91.5	91.6	91.A	91.8	91.9	91.4	
GΕ		91.0	91.8	91.9	91.9	51.9	01+ 6	91.9	91.9	91.9	91.4	61.0	91.9	71.9	01.4	91.9	21	
GE		91.8	35.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	• 2 • 7	92.1	
υĒ	12001	92.4	93.2	93.3	43.3	93.3	23.4	93.7	93.7	93.7	93.7	97.7	93.1	93.7	93.7	y 1, 7	93.7	
, ,	1	6							93.4	93.8	93.8	91.8	93.8	93.8	93.4	93.A	G \$. H	
6 E	1000		13.3	93.4	93.4	93.4	43.6	93.8			94.7	94.7	94.7	94.7	94.7	77.4	94.7	
G E G E		93.1	34.1	94.2	94.3	94.3	2 44 44 F	94.7	94.7	94.7 95.3	95.3	95.2	95.3	95.3	05.3	95.3	46.5	
			74.6 74.6	94.7 94.7	94.9 94.9	94.7	95.0	95.3			95.4	95.4	95.4	45.4	95.4	95.4	45.4	
υE		93.6		94.9			75.1		95.4	95.4 95.3	95.8	95.6	95.4	95.8	95.8	45.6	95.0	
ut	5501	93.1	94.8	74.7	95 • 1	95.2	45.3	95 .A	42+8	95.3	43.6	2.1.0	*5.0	40.0	*1.5	7,16	* 7 • 0	
GE	t and	93.7	9 1	95.3	95.9	96.6	46.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	9.7.1	
6€		43.7	95.2	95.6	96.1	96.9	07.1	97.9	98.1	98.1	98.1	90.7	98.2	98.2	98.2	40.		
6 E		93.7	95.3	95.P	96.3	97.1	97.4	98.7	99.1	99.1	99.1	90.2	99.3	99.3	99.3	69.3	99.1	
GE		93.7	95.5	95.9	76.4	47.2	7, 7	99.5	99.3	99.3	c).u	>2.7	97.4	43.B	99.9	60.0	49.4	
GE		53.7	75.3	95.9	96.4	97.2	97.7	99.0	39.4	19.4	99.6	93.4	99.9	99.9	100.0	100.0	100.0	
•													•					
GĘ	01	93.7	95.3	95.7	96.4	97.3	51.7	99.0	99.4	99.4	79.6	90.0	24.9	99.9	175.0	100.0	102.0	
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GLOBAL CLIMATOLOGY PRANCH

PERCENTAGE EPIQUENCY OF OCCUMPENCE OF CFILING VERSUS VICIPILLITY FROM HOURLY OBSEDVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO PERIOD OF FECURE: 77-86 MONTH: SEF HOURS (LST): VISIRILITY IN STATUTE MILES
GE GF Gr GE
7 1 1/2 1 1/4 1 CFILING OF GE CE 4 3 2 1/2 5 [E 7/4 TILING IN | CE FEET | In G E 6F 57# 6£ 172 ∪f 1/1€ ŧ 1/4 14.3 54.3 NO CEIL | 55.3 53.9 54.0 54.1 4 . 3 58.7 59.1 6E 200001 57.9 5 A . 6 58.8 59.2 59.3 58.4 58.8 50.6 54.9 53.9 60.4 64.9 58.5 55.8 54.8 54.2 59.2 59.3 59.7 59.2 59.3 59.7 59.2 59.7 59.7 GE 180001 54.7 58.9 59.3 59.1 59.2 50.3 59.5 E 9 . 3 59.3 54.3 6E 160001 58.4 59.6 59.1 59.2 59.2 54.3 59.3 59.4 59.8 59.4 54.4 64.4 54.8 59.4 59.7 59.6 59.6 57.6 ₩E 120001 61.1 62.0 62.0 . . 1 08 loogel 63.7 64.3 64.4 64.5 64.5 64.6 64.6 64.6 64.7 64.7 64.7 19.5 G E 90001 65.3 65.9 56.7 66.1 66.1 66.2 69.5 66 • ĉ 69 • 5 71 • 7 66.3 69.5 71.7 66.3 69.5 71.7 66.3 60.3 6 f . 3 66.3 64.6 71.7 77.1 8000| 68.4 7000| 70.3 69.2 71.2 69.3 69.4 69.4 69.5 69.5 69.F 45.6 69.6 G E 71.4 71.5 71.5 71.6 71.6 60001 71.7 • 3 . 1 73.0 73.1 73.0 73.1 73.1 73.1 G E 50001 74.6 75.7 76.1 45 001 76.3 40001 77.9 77.6 77.7 77. 8 79. 5 77.8 79.5 77.8 79.5 77.8 79.5 77.9 79.5 77.8 79.6 77.9 77.6 77.9 77.9 G. F 77.7 77.A 79.1 79.6 79.5 79.4 ŧ, E 35001 79.4 80.4 PO.9 41.1 81.1 81.1 -1.1 r1.0 ίE 370rl bi.P a 3 . 1 83.3 83.4 83.5 93.5 93.6 83.6 A3.6 43.6 01.6 67.6 £ 1. 2 f. t • 1 fi 7 • 7 6 F 25 UCT 84.1 A5.6 85.9 A6.7 86.2 46.7 85.2 ٠. ، ، 85.9 86.5 86.2 46.2 F (. .) 86 .2 5 p . 0 20001 85.5 18001 86.0 87.4 P7.8 87.9 87.9 87.9 HR.5 47.1 97.5 87.7 87.8 87.9 87.9 87.9 o 7 . 8 A7.6 89.2 89.2 89.9 88.3 95.0 88.4 95.1 HF.4 G E 88.1 88.4 H4 . 4 A8.4 48.5 89.5 15001 67.3 90.1 96.1 90.1 90.1 93.1 89.7 90.1 u £ 90.5 12501 68.3 91.4 91.6 Ն ^r 92.6 93.6 94.2 47.6 41.6 10001 88.8 91.3 91.7 91.9 52.2 92.3 92.5 92.5 92.5 92.€ 97.6 92.6 42.6 9 . . υŧ 9301 89.4 8331 89.7 92.0 92.5 93.0 92.8 93.4 93.1 93.8 93.8 93.4 94.1 93.5 93.5 93.5 93.5 93.6 +3.0 94.2 95.0 96.0 94.1 44.1 94.2 94.7 94. 44.7 44. G E 7001 89.9 6001 90.3 93.0 93.5 93.5 94.0 94.4 94.5 94.8 94.9 94.9 94.4 94.9 94.9 15.0 96.3 44.0 ١٠.١ 95.4 95.9 96.0 90.6 FUST 40.4 93.6 96.3 96.5 96.9 97.3 97.4 99.6 L. F 4001 90.5 94.1 95.1 95.2 95.9 97.2 97.3 97.9 94.3 98.3 98.9 98.6 99.6 98.7 99.1 94.7 94.7 46.7 96.1 97.5 97.3 ≎५.8 97.6 GE 2001 90.5 94.2 95.3 99.0 10.1 99.4 90.0 79.6 79.6 99.6 96.1 94.2 95.3 G.E 1001 90.5 96 . 1 97.1 97.6 98.5 99.0 99.1 99.4 99.5 99.6 99.6 24.1 99.7 100.0 01 95.5 30 94.2 95.3 96.1 97.3 97.6 99.5 99.0 49.1 99.7 164.C 79.4 44.5 94.6 99.6 99.7

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PERCENTAGE FREQUENCY OF OCCURRENCE OF CELLING VERSUS VISIBILITY FROM MOURLY DESERVATIONS

STA	TION N	UMBFB:	727675	STATI	ON NAME.	: MIN0	IT AFR NO					PEPIOU	OF REC	URD: 77	- p +		
												MONTH			CLSTI: 3		
		• • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •		• • • • •			• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • •	
	1146			_	_					IN STATE							
		(·E	GF .	G F	G.E	6F .		GE	Uf .	61	68.	(. [G E	6 E	äL	61	t.f
		1 L	t	5	4		2 1/2		1 1/7		1	1/4	5/9	177	5/16	1/4	v
	• • • • • •	• • • • • •		• • • • • •	• • • • • • •			• • • • •	• • • • • • • •	• • • • • • •		• • • • • • •					• • • • • • • • • • •
N. C	CELL I	60.2	60.8	60.8	60.8	61.1	61.2	61.2	61.2	61.2	51.2	61.7	61.2	61.2	61.2	61.2	11.2
14 6		00.02		00.0	00.0			• • • • •	01.2	011.	73	O . • .	• • • •			0111	****
i, ₹	200001	64.E	65.2	65.2	65.2	65.5	65.6	65.6	65.6	45.6	65.6	65.5	65.6	55 . h	65.6	6 ° . 6	65.6
	180001		65.2	65.2	65.2	65.5	65.6	65.6	65.6	05.6	45.6	6. 6	65.6	65.6	45.6	6 C A	65.6
	160001		65.2	65.2	65.2	65.5	65.6	65.€	65.6	65.6	65.6	65.6	65.€	65.6	45.6	65.6	45.6
6 E	144001	65.4	65.9	65.9	65.9	65.2	t t. 3	66.1	66.3	66.3	66.3	66. 7	66.5	66.3	66.3	66.3	16. 2
üΕ	120001	67.5	67.5	67.5	67.5	67.6	66.0	68.3	64.6	68.3	68.0	b a . ^	£ 6 . U	68.0	4 m . J	64.C	++.u
ĿΕ	100001	70.2	70.6	70.8	70.4	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	72.4
5 {			71.2	71.2	71.3	71.7	71.6	71.8	71.9	71.8	71.9	71.4	71.8	71.9	71.4	71.8	71.5
U€	80001		74.0	74.5	74.1	74.5	74.€	74.5	74.6	14.6	74.6	74.5	74.6	74.6	74.6	74.6	74.6
	1,001		75.7	75.7	75.0	76.2	70.3	16.3	76.3	16.3	76 • 3	74.5	76.5	75.3	76.3	76.3	76 - 3
SE	P0001	16.0	76.6	76.6	76 . 7	77.1	77+2	77.2	77.2	11.7	77.2	77.7	77	17.2	77.2	11.2	77.7
							• • • •	10.	• • •					•	74.4	7 4 . 4	•
G E G E	50001 45001		17.1 79.7	17.7 19.7	77 . d 79 . ø	82.2	78.4 90.3	79.4 50.3	78.4 80.3	78.4 80.7	79.4	16.4 80.1	78.4 93.3	73.4 83.3	40.3	40.3	78.4 mD.5
6 F.	40001		-0.4	80.4	60 • 5	81.3	-1.1	81.1	P1.1	81.1	P1 - 1	81.1	P1.1	91.1	91.1	71.1	-1.1
υ£	35 001		81.4	61.4	81.5	61.9	P < • Ú	45.5	92.6	82.0	P2.0	87.3	A2.0	82.0	92.0	67.0	62.5
ŭ.€	30001		43.5	83.5	63.7	84.1	94.7	84.2	84.2	64.2	84.2	84.7	94.2	84.2	94.7	64.2	A 4
0.	, 001			3343		0		04.2	6412	0 - • •						.,	••
ن د	25 001	64.9	A5.7	95.9	86	86.5	56. E	86 .6	96.6	86.6	45.6	31.6	A6.6	46.6	R6.6	66.6	F € • €
6 F	20001	-7.1	= 7.8	84.1	88.2	68.7	46.6	98.9	88.5	68.7	88.Q	89.2	P9.9	89.9	9.9	68.9	RP. 4
ЬF	19091	87.B	78.6	88.9	89.0	69.6	A 5 . 7	89.8	A 9 . 6	89.ª	P Q . H	80.0	P 🗣 🛊 A	89.4	a 9 . 15	42.0	ଟ∀•ଖ
F را	1 401	€9.R	39.9	9 7 . 2	90.4	91.1	91.2	91.3	91.3	~ 1 . T	91.3	31.2	91.3	91.3	31.3	91.1	91.5
SE	12001	09.6	40.0	91.1	91.3	91.9	92. C	92.2	92+2	92.2	92.2	97.2	95.5	92.2	34.5	92.2	92.2
			_														
Ģ.€	10001		21.4	91.7	61.4	42.6	92.7	97.4	92.5	9	35.0+	92.5	4 5 · B	92.6	92.8	92.6	92.0
υF		92.9	92.3	92.6	93.0	93.1	9.0	93.9	93.5	93.9	93.9	97.9	93.9	93.9	93.9	93.0	93.9
GE		91.2	22.1	9 7 . 3	93.5	94.2	94.3	94.5	94.5	14.5	94.5	44.5	94.5	94.5	74.5	94.5	94.5
υĹ		91.7	92.7	93.3	93.7	94.3	34.5	94.7	94.7	94.7	94.6	94.A	74.9	94.9	34.9	94.9	95.1 95.1
6 E	6.501	91.2	92.7	93.3	43.4	94.5	44.7	45.2	95.2	45.2	95.4	9	35.6	95.6	95.6	¥7.0	73.7
6 f	5001	91.6	93.2	91.9	94.4	95.1	95.3	95.7	95.8	45.4	26.3	96.6	96.7	96.7	96.7	96.7	96.4
υE		91.6	93.5	94.3	54.9	45.8	96.6	96.7	95.9	96.9	27.4	42.7	97.A	99.3	98 · C	98.2	96.4
G E		91.6	33.7	94.4	95 • 1	95.9	76.1	96.9	97.3	97.3	98.0	90.1	98.4	28.5	98.5	78.7	58.9
6.6		91.6	93.7	94.4	95.1	95.9	96.1	96.9	97.3	97.3	98.4	90.9	98.4	99.1	99.2	99.6	99.8
6 E	1001	41.f	93.8	94.5	95.2	96.3	96.2	97.3	97.4	97.4	98.5	98.3	99.0	99.2	99.4	99.7	99.4
	. ,				_												
L F		91.6	33.H	94.5	95 • 2	96.U	96.2	97.0	47.4	97.4	78.5	94.9	99.3	99.2	99.4	99.7	
• • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • • • •	· • • • • •				• • • • • • •		• • • • • •		• • • • • •	• • • • • •		

PERCENTAGE FREQUENCY OF GCCURPTNCE OF CETETING VERSUS VISITELLITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFR NO PER100 (* +100PD: 77-84 MONTH: OCT HOURS (LST): Utun-Osic GE GE UE 3 2 1/4 IN | GE FELT | 1C 61 5/8 GE GE 6 5 6E 6E 1/2 1/16 1/4 NC CEIL 1 59.7 59.9 59.9 60.6 t J. 6 GE 200001 64.0 64.2 64.2 64.6 54.9 64.9 6°.1 65.1 69.1 65... (C. 4 35.3 65.2 64.4 45.2 65.2 65.2 6 C . 3 65.1 65.3 65.1 65.1 15.3 . . . GE 180001 64.2 64.4 64.4 65. . 65.2 GE 160001 64.2 GE 140001 65.3 64.4 64.0 65.2 05.2 65.2 65.2 , , 64.4 . . . 4 64.3 65.9 65.5 66.2 66.2 66 . 2 66.2 66.2 66.2 66.3 56 . 3 65. GE 120001 66.8 67.9 67.6 68.0 67.8 67.5 67.9 67.6 44.3 . - . 1 72.6 71.2 73.1 ¿₹ 100001 69.4 75.1 72.4 73.4 70.5 76.4 73.5 79.5 77.6 73.6 9000| 69.9 8200| 71.7 7000| 72.6 71.C 71.1 73.0 73.9 71 · 2 73 · 1 71.5 70.2 72.2 70.6 71.0 71. C 71.1 ٠١٠. 71.2 72.2 73.0 13.2 " 5 & 72.2 72.6 72.9 76.5 73.0 • • • • 74.3 74.7 74. 73.4 74.2 73.5 73. ė 73.8 74.0 74.1 73.9 GE 60001 73.3 73.8 75.9 76.2 78.2 78.6 75.2 75.2 75.9 75. 9 űΕ 50001 74.7 75.5 76.5 76.3 11. . 1 17.3 77.3 76.3 78.7 H7.2 79.5 78.7 77.1 79.1 78.1 79.1 78.2 78.5 78.7 7m.3 7a.7 7°.4 79.8 1 H . S GE 45 001 76.9 78.2 77.7 78.5 78.6 78.6 G E 35501 78.9 79.4 79.4 79.8 67.1 PC. 1 83.1 43.2 aC.? 80.2 яј.3 82.6 49.3 03.3 67.4 P2.J 82.6 G E 82.4 2.5 82.5 62.5 B2.6 C F 25001 F2.6 9 3 • C 83.1 83.5 h3.9 e 3. 9 8 7 . 7 94 • C 84.1 P4.1 94.1 55.7 64.3 64.1 86.1 86.1 G E 2001 84.0 84.4 44.9 84.5 8 . 1 84.9 85.4 45,4 85.4 85.5 85.5 P5.5 P5.6 85.5 a 1, . 6 19001 84.5 85.9 68.0 96.C 85.2 48.4 U€. 85.5 95.9 85.9 A6.0 46.0 66.1 86.1 68.3 F6.1 F6.3 15.01 86.5 87.0 () F 88.1 89.1 89.5 89.5 49.5 A4.5 90.1 5 E 10001 88.0 89.4 40.3 90.6 95.1 90.2 93.3 93.3 95.3 98.6 90.0 30.1 93.4 42.9 65 9001 88.7 89.5 89.7 90.2 90.9 20. 9 90.9 21.1 91.2 91.2 +1.3 91.4 91.0 7001 89.4 7001 89.6 90.3 90.8 90.5 91.1 91.7 92.0 92.8 92.3 93.0 97.4 93.4 92.5 93.4 92.5 +7.6 +1.5 93.7 SE 92.0 92.0 92.2 91.1 92.8 9..8 92.9 υĘ 6001 89.P 5031 90.3 97. 65 92.2 42.8 93.7 94.9 94.9 95.4 45.7 95.7 96.3 96.7 96.8 97.5 97.3 \$7.1 97.2 4001 90.5 3001 90.8 2001 90.8 95.3 75.3 97.C 97.7 97.A 92.4 93.9 6 E 93.0 95.8 27.7 96.1 96.2 96.2 92.6 93.2 94.1 95.6 96.7 97.4 97.9 99.4 95.6 96.1 96.7 98.0 98.2 98.2 27.5 6 E 92.6 93.2 94.1 95.6 96.A 90.4 98.5 98.4 94.5 49.2 59.5 94.7 98.6 94.9 96.2 96.9 96.9 98.0 01 90.8 90.5 95.7 96.2 96.4 46.9 95.0 99.6 99.4 100.0 98.9 98.9

SEFETAL AIR MEATHER SERVICE/MAC

PERCENTAGE TRIGUENCY OF OCCURRENCE OF CETCING VEHICL VEHICL VEHICL TY FROM HEURLY TOTERVALLONS

STATION NUMBER: 127615 STATION NAME: MINOT AFE NO.

Prology For CORUS 177-86 - Minths 1007 - Hours Curtis Crub-De CU LITTLING IN 1 GG FELT 1 10 177 (716) 1/4 5. j = 1/4 NO CETE 1 Sout C 4 . ; 6E 200001 19.2 61.5 61. 61.1 61.7 .1.1 ... 61.5 61.1 e i . 1 01.4 4 3 4 e : . -4 L . . : 1 . 6 10.5 63.6 5 T + 6 6 C + 6 6 C + 2 1.9 • . . 3 61.5 o : . • 61.7 61.0 11.5 51.7 , , , SF 181401 54,4 55.4 f 1. . 41.0 61 . . 61.5 61.3 64.6 GE 16/001 57.4 62.4 61.2 1,1.2 61.6 61.6 11.7 61.7 11.7 61.4 * 1 . * GE 147001 69.8 GE 120001 62.4 13.2 63.7 53.1 64.7 61.1 , , , ; 64.2 GE 100001 04.6 OF 90001 65.5 GE 80001 68.1 GE 70001 69.0 11: 4, 7 . 4 4 d . 1 , , . . , - . 4 66.7 67. 67.1 υ'.1 6.7 . . 66.6 69.6 67.P 56.1 67.5 67.6 70.8 b+ . . 67.0 61.2 67.5 ... 70.6 71.6 72.3 72.7 17. ! 73.3 10.4 13.9 11.0 71.1 11.1 1... 11.1 71+b 12.1 '.... '..., 71.0 71 - 5 11.. 11.2 71.9 ٠. ٠٠ 60001 69.7 ٠,.1 ٠,.. ;;;; 11.7 73.7 12.0 12.5 71.5 77.1 76.1 74.7 ٠,,, 71.5 7. . . 75.1 75.2 76.5 17.1 73.4 74.L 74.7 74.4 74.7 75.6 77.3 74. H 75. 7 14.2 74 . S 75 . K 45001 71.9 14.4 47:50 72.7 35:301 14.3 ; . . 1 ; 74.4 4 E ٠., 77.6 76.5 17.6 77.4 17.4 77.5 77.4 (, 5 77.4 78 . . 19.4 75.5 7 H . 4 25,01 78.6 но. 5 A ~ . . -1. 01.4 01.4 83.3 42.3 ٠. . . 47.1 ×1.5 42.0 G.F FG . * -1.4 n1.7 2001 60.2 16001 60.4 16001 60.4 16001 60.4 нч.? нч.7 нь.я ин.т 67.5 64.7 66.1 H . . 94.U 43.6 62.4 P2.7 83.1 11.2 44.7 n 5 . 7 F 5 . A = 5 . . -4.1 H4 . F H F . 7 H P . 7 44.1 45.7 64. 54.F m 7 . ; 63. v 64.4 61.5 -2.1 93.4 -4.4 a 4 . C Pe. . # 4 r . 3 96.2 06.5 (, (85.4 -6.6 97.6 87.8 11 UST #4.3 46. v F # . 4 н9. H G . 4. - 1.1 H + . f 00.7 8 * • # 17 • ? 4.4.4 93.5 · 1.1 22.4 υ f υ f η r 56.5 8.1 H + 4 14.6 4...5 .1.1 49.9 93.3 91.1 20.1 4.,4 F531 -4.7 91.3 21.4 91.4 н 7. н 17. е H R . . . 1.7 21.4 91.6 91.5 . . . 43.1 93.4 04.5 91. 9204 91. 4 42.7 90.2 ,4.1 90.4 90.5 90.8 97.4 27.1 . 4, 5 4. ... 4031 85.6 3031 85.6 92.3 92.5 92.5 9 1 . n 9 7 . s 41.A + 9.2 + 9.4 41.4 35.7 96.5 97.2 96.3 96.5 94. .4.6 .5.9 96.1 17.7 97.7 GF 94.5 94.4 .4. n 48.4 96.3 96.7 2031 +5.6 45.3 44.4 94.0 F 4.6 91.1 44.5 96.1 96. H 97.1 97.7 96.9 4 . 6 1001 -5.7 4 A . (, ... 40.6 9 4 . 7 99.4 91.2 92.4 44. . 46.2 46.4 97.3 97.1 01 65.7 9 . . .44.5 112.0 49.7 91.77.3 CF.E 99.1 29.2 ·• (92.4 46.7 16. 4 97.8 54.4

GLOBAL (LIMATOLOGY BHENCH USAFETAC

FERCENTAGE FREQUENCY OF CCCBROENCE OF CETEING VERSUS VISIALITY FROM HOURLY OBSEQUATIONS

ATR MEATHER SERVICEMAC

STATION NUMBER: 727675 STATION NAME: MINOT AFR NU PERIOD OF RECURD: 77-86
MONTH: OCT HOURS(EST): U900-1100 CELLING Gf t reet 1 12 1/7 1/16 51-1/4 1/4 15.1 NO CETE 1 47.9 F 4 . * 55.1 ...1 5 . 1 55.2 55.2 (6.2 55.2 55.2 ٠., 45.2 . . 50.4 41 200301 57.4 50.7 50.7 68.6 59.2 59.6 62.6 GE 167001 57.8 GE 167001 58.1 16.F 59.4 59.1 59.4 67.4 64.7 54.2 54.5 54.7 54.5 07.4 59.2 59.1 5.503 19.2 59.2 59.2 r. o 🔒 🛴 14.2 63.4 e 9 . 9 44.4 49.4 63.4 54.5 60.9 54.1 . . . 44.5 0F 140001 59.5 6E 120001 62.5 65.4 17.6 67. 4 60,9 69.3 1000 64.1 of incoch as.3 46.5 67.3 67.1 61.1 6.7.1 .7.1 1.7.2 6.3 11. 56.9 67. . 67. £ 7. 0 £ 7. 1 67.1 67.6 90301 66.2 57.4 68.2 16.5 70.5 71.9 17.5 71.4 68.1 73.6 73.0 68 . I 0 5 . 2 ... * = . [67.1 t, 0 . 1 10.1 ... 70.6 10.8 01 80001 68.6 68 70001 70.0 75.0 7. 5 77.5 7-1.5 12.6 12.2 13.2 70.6 12.6 ٠.. 71.-72.0 3.55 5 001 12.4 45001 73.1 47001 77.7 35001 74.1 13. h 74.5 74 . 4, 14.1 *4.7 *4.1 75.5 26.1 74.5 75.6 76.3 75.1 15.4 14.3 75.4 76.5 76.8 75.4 76.0 76.8 75.4 76.0 76.8 75.4 76.0 76.8 79.0 75.5 4.1 74.5 75 - 1 75 - 7 75.3 75.9 75.4 76.2 75.4 75.0 75.5 75.5 75.6 16.1 18.1 75 - 7 78 - 1 76 · h 78 • ? 15.4 18.3 7t • 7 76.4 30 00 1 75.5 76.5 77.7 74.2 15.7 19.2 82.2 83.9 85.7 77.4 82.5 82.9 85.9 2: Jul 76.5 19 .. 19.2 75.4 H2.3 H2.6 H5.8 ***5 ,,,, 7 . . 4 74.4 79.4 79.4 H2.7 H2.9 A5.8 79.5 62.2 62.8 65.7 20001 79.5 19001 79.2 81.7 82.5 85.2 92.3 82.9 82.3 82.7 # 2 • 4 # 3 • 3 # 4 • 3 F. . . -1.1 41.6 A2.2 92.3 47.4 85.5 86.8 ... 41.t. 85.4 82.8 15001 +1.6 3 4 g C 45.7 65.4 85. H 10001 +2.9 . . . 86.9 F1.2 87.5 × 7. 5 87.5 87.6 07.6 A7 . 7 8 7 . 7 #1.7 A7.7 47.4 # 7 . W 10101 F1.9 9001 F4.2 9001 F4.4 7001 F4.4 ٠,٠ 89.5 93.1 93.6 89.5 40.2 40.8 89.5 4., ¥2.1 - 7 - 1 n p . s +6.4 F4.5 39. t 20.1 30.2 93.2 4 3 . 3 89.5 89.6 89.7 93.1 97.6 v0.v 90.-97. F 90.2 97.4 93.9 46.1 91.4 94.5 90. é 91.0 91.0 91.4 91.5 91.7 91.7 -0.6 93.4 91.5 91.5 91.5 91.4 97.4 93.5 42.4 90.8 ... A 43.-1:01 A5.2 AUDI A1.2 7:01 A5.2 30.1 97.3 - 3.* 95.1 95.4 95.9 46.9 97.3 97.5 +1 +4 96.1 .s. i 26 2 46.7 91.7 71.1 9 A . E 91.0 95.6 95.7 95.7 95.6 95.9 96. h 91.0 97.4 97.7 91.H 49.1 49.5 99.5 99.5 98.7 2, + 99.2 . 451 85.2 -3.3 VJ. 1 +1.7 91.7 91. .. +4 · 1 5.6 41.1 95.7 95.6 96.5 97.6 98.2 4.86 99.1 . . . 96.7 1651 41.2 93.1 55.7 45.8 96.0 91.3 47.2 47.6 98 . . 28.7 99.2 99.6 106.0 9:11 93.1 97.6 97.6 99.1 29.2 49.6 1°C.C 45.7 35.00 96.0 47.3 48.0 98.7

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFELLING VERSUS VISIBILITY FROM HOUSELY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO PER100 OF PECORD: 77-86 MONTH: 001 HOURS (1511: 1200-1400 EILING VISIRILITY IN STATUTE MILES

19 | GE GE GE GE GE GE GE GE GE FE
FEET | 10 | E > 4 | 3 | 2 | 1/2 | 2 | 1 | 1/4 | 1 | 7/4 CEILING 5/8 1/2 c/16 c 1/4 ..., NO CETE 1 53.7 53.c 51.0 1300 53.9 43.A c 3 . 6 59.2 59.2 UE 200001 58.7 59.1 59.2 59.2 14.2 59.2 59.2 50.7 49.2 59.2 50.2 59.2 59.2 ورياه 29.2 1.0 59.2 59.5 69.2 SE 180001 59.7 59.2 55.2 59.7 59.2 59.2 59.. 59.2 9.9.2 59.2 54.5 GE 160031 58.9 GE 140001 60.6 59.5 61.3 59.4 59.5 59.5 59.5 59.5 59.5 59.5 r 9.5 59.5 56.5 61.3 61.3 61.3 51.3 61.3 61.3 51.2 .1.3 61.3 61.3 61.5 51.3 (1.3 61.5 120001 62.5 6F 107001 64.4 65.4 65.5 65.5 65.5 65.5 65.5 65.5 65.5 65.5 ί£ 9000| 65.4 8000| 68.4 F6.3 66.5 66 . 5 66.5 66.5 66.5 66.5 46.5 66.5 66.5 66.5 60.5 69.6 66.5 69.6 66.5 67.5 67.6 67.6 t 9. 6 69.6 49.6 69.6 69.6 60.6 60.6 7001 69.4 70.6 73.6 70.6 71.5 70.6 73.6 70.6 70.6 7 - . 6 73.6 70.6 73.6 70.6 60001 70.2 71.4 GΕ 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 71.5 7 7 . 4 7 7 . 1 7 7 . 9 50601 70.6 72.0 12.3 72.4 72.4 72.4 75.1 73.+ 74.5 : F 45001 71.4 40031 72.0 12.8 73.0 73.8 73.0 73.1 73.1 73.9 73 • 1 73 • 9 73.1 73.1 73.1 73.1 73.1 73.1 6 F 73.0 73.4 75.9 73.9 73.9 73.9 35 upl 72.6 74.5 74.5 74.5 ωĒ 76.0 74.3 76.2 76.2 16.2 76.2 76.2 16 • 2 16.2 76.2 76.2 76.2 76.2 76.2 25001 77.3 20001 61.5 ₩.E 79.2 79.5 79.5 79.6 14.6 79.8 79 . A 79.A 79.8 79.9 79.9 79.8 79.5 # 1.5 # 4.6 23.3 н 3. 9 93.5 83.9 83.9 91.9 F 3. 4 i, E 83.5 83.9 83.9 83.9 93.9 18001 82.0 15001 83.9 84.6 87.4 64.9 F7.6 84.9 88.1 94.9 99.1 04.9 98.1 G.E 84.9 P4.9 84.4 94.9 84.9 84.9 54.4 A8.1 96.5 87.4 96.1 68.1 68.1 ē 6 . 1 67. 4 a R . 1 1. F 58.1 89.8 97.5 92.5 (, F 95.2 96.3 90.9 91.4 91.9 91.9 92.3 92.4 92.5 92.5 92.8 υE 9571 86.6 91.5 91.0 92.3 92.4 92.7 93.8 92.9 92.9 93.0 93.0 93.0 FOD! 87.1 7001 87.3 93.4 93.9 94.0 94.1 94.1 94.1 04.1 94.1 91.2 92.4 43.4 44.1 95.6 95.6 G E 92.9 94.3 95.1 95.2 9 . 6 95.6 95.6 95.0 96.2 96.2 6001 87.4 93.3 96.2 92.2 95.1 95.6 95.8 96.2 96.2 96.2 94.5 94.5 95.7 95.7 32.7 94.1 5001 F7.5 97.4 91.5 97.0 97.8 99.5 99.5 98.5 28.5 44.5 95.5 96.3 ÷6.7 98.4 18.5 99.5 90.5 . F 4001 H7.5 95.4 96.6 97.8 97.4 99.5 99.5 39.5 99.5 97.7 94.9 3301 87.5 94.2 4P.0 99.8 90.8 to f 22.7 97.E 99.7 99.9 95.4 46.7 98.C 2 LOT A7.5 98,7 96.1 97.0 98.0 96.7 130.3 100.3 100.0 G E 1001 57.5 92.7 94.2 95.4 96.7 97. C 98.0 98.7 90.9 39.9 100.0 170.0 100.0 100.0 G.F Cl 97.5 92.7 94.2 98.7 35.4 96.7 47.6 97.7 98.1 98.7 99.9 99.9 100.0 100.0 100.0 100.0

PERCENTAGE FREQUENCY OF OCCURPENCE OF CFILING VERSES VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMPER: 727675 STATION NAME: MINOT AF3 ND PERIOD OF RECORD: 77-8 A MONTH: OCT HOURS(LST): 1500-1700 VISIBILITY IN STATUTE MILES CEILING 9151811111 14 51 4101 1 51 6E GE GE GE GE 3.1 1/2 1 1/4 1 3/4 GF GE GE 4 3 2 1/2 IN 1 GE FEET 1 10 1/2 6 5 5/8 1/4 53.1 53.1 53.1 53.1 53.1 53.1 53.1 61.0 Gr 200001 60.2 60.9 61.0 61.C 61.0 61.3 61.0 €1.3 61.0 67.6 61.0 61.0 61.0 01.0 61.0 UE 18000| 60.6 GE 16000| 61.7 GE 14000| 62.3 61.1 61.3 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61.4 61.7 63.0 65.4 61.7 61.4 61.6 61.7 67.0 61.7 61.7 6 i. 7 61.7 61.7 61.7 61.7 61.7 61.7 63.C 63.C 63.0 63.0 63.0 63.0 63.0 GE 120001 64.5 64.9 65.2 65 - 4 65.4 65.4 67.8 68.1 69.1 6°.1 6E 100001 67.0 6.7.6 68.1 68.1 68.1 68.1 68.1 68.1 68.1 58 - 1 69.1 66.1 69.4 69.4 72.5 73.5 GΕ 90001 69.1 69.4 69.4 12.5 73.5 68.9 69.1 69.4 69.4 69.4 69.4 69.4 69.4 69.4 69.4 80001 71.1 72.3 72.5 72.5 73.5 12.5 72.5 72.5 72.5 72.5 72.5 72.5 13.5 72.5 73.5 70001 72.2 73.1 73.5 73.5 73.5 73.5 73.5 73.7 73.4 G E 73.9 73.9 73.9 73.9 73.7 73.9 74.9 75.3 75.6 75.6 75.6 75.6 75.6 75.6 GE 45001 75.4 40001 76.8 76.5 76.8 77.1 77.1 77.1 77.1 77.1 77.1 77.1 77.1 70.7 71.1 77.1 77.1 77.1 77.1 78.1 78.4 78.7 79.7 82.5 83.0 78.7 78.7 78.7 υE 78 . 7 78.7 78.7 78.7 78.7 79.7 78.7 AL.5 80.5 80.5 35401 81.1 υĒ 92.4 92.7 83.0 83.C 3.C 83.0 93.U 83.0 83.0 A 3 . 3 6 1 . D G F 25001 P3.1 94.4 84.7 85.1 95.1 85.1 85.1 85.1 85.1 85.1 85.1 95.1 95.1 85.1 85.1 87.5 20001 85.3 96.8 87.2 87.5 P7.5 87.5 87.5 87.5 97.5 07.5 97.5 87.5 67.5 87.5 87.5 19001 66.1 88.2 90.0 68.5 92.6 υĘ 97.7 88.5 88.5 86.5 88.5 88.5 P8.5 88.5 93.5 99.5 P3.5 88.5 F6.5 90.6 90.6 90.6 90.4 or. 4 93.6 90.6 90.6 90.6 43.6 92.2 95.0 10001 88.9 93.5 94.7 94.7 υE 92.8 94.3 94,5 44.5 94.5 94.7 94.7 94.7 94.7 94.7 9001 69.5 95.6 95.8 94.6 95.6 95.6 95.8 96.2 ίE 93.7 95.4 95.8 95. F 95.6 95.0 95.4 8UC| 89.5 700| 89.7 93.9 95.1 95 . 8 96.□ 96. C 96.0 96.2 96.2 96.2 94.2 96.2 96.2 96.2 94.5 96.9 97.2 97.1 97.1 6 E 96.6 96.9 96.9 97.1 97.2 97.2 97.2 27.2 91. 40.1 99.7 94.6 * UD1 89.8 97.3 97.4 97.4 98.2 4701 69.9 3031 69.9 95.3 95.3 96.c 97.3 97.8 99.2 99.5 99.5 99.5 99.5 99.1 G E 91.3 97.6 99.1 98.9 98.9 99.4 97.0 98.1 99.1 99.1 99.6 G E 77.3 99.0 97.ë 2601 67.9 96.5 99.9 99.9 99.1 :9.4 99.9 1001 89.9 95.3 96.5 97.3 77.8 98.1 99.0 49.1 19 4 99.8 99.4 79.7 100.0 160.0 100.0 21 89.9 97.3 GE 25.3 96.5 97.8 47.B 98.1 99.9 170.0 100.0 100.0 94.5 99.1 99.4 99.8 99.9

PERCENTAGE FREWDENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HODRLY OBSERVATIONS

							ON ETA TO					MONTH		HOLRS	(LSI):	1800-20	ec.
	LING				• • • • • • •					IN STATE					• • • • • •	• • • • • • •	• • • • • • • • •
FEE		10	GE e	G E 5	GE 4	GE 3	GE 2 1/2		GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	6 E 5 / 5	1/5 eF	6E 5/16	GF 1/4	GE D
	CETL		5 3 . 1	5 3 • 2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	51.3	53,3	53.3	53.3	53.3	53.3
6E :	100001	59.4	60,C	60.1	60.2	60.2	64.2	60.2	60.2	60.2	60.2	6~•2	60.2	63.2	63.2	60.2	66.2
GΕ	180001	63.1	60.8	60.9	61.3	61.0	61.G	61.0	61.0	61.0	61.0	61.0	61.0	51.3	61.3	61.0	61.0
G E	160001	60.4	61.1	61.2	61.3	61.3	61.3	61.3	61.3	51.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
ĞĒ	140001	62.3	62.9	63.C	63.1	63.1	63.1	67.1	63.1	63.1	63.1	6 7 . 1	63.1	63.1	63.1	63.1	63.1
G £	120001	64.5	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	€5.6
(, F	100001	67.4	68.4	68.5	68 • 6	69.6	68.6	68.6	68.6	68.6	68.6	69.6	69.6	68.6	68.0	69.6	6-8 • b
	90001		69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	59.7
6 E	80001		73.2	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	77.5	73.5	73.5	73.5	73.5	73.5
GE	70001		74.6	74.7	74 . 8	74.9	74.9	74.9	74.9	14.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
G E	65001		75.6	75.8	75.9	76.0	76.0	75.9	76.0	76.0	76.0	76 • D	76.0	76.0	76.3	76 . C	76.3
υE	50001	76.1	77.5	78.0	76.2	78.4	78.4	78.5	78.5	76.5	78.5	79.5	78.5	79.5	78.5	7 A . 5	10.5
üΕ	45001		79.1	79.6	79.6	60 C	80. D	80.1	80.1	80.1	83.1	87.1	83.1	50.1	90.1	50.1	PE - 1
GE	40001		90.2	87.6	80.9	81.1	81.1	81.2	81.2	81.2	P1.2	81.2	61.2	91.2	P1.2	81.2	61.2
6 E	35 00 1		92.3	82.7	P2.9	83.1	83.1	83.2	83.2	83.2	93.2	63.2	63.2	43.2	93.2	63.2	r 3
G E	30001		85.4	85.9	86.1	86.5	86.5	86.6	86.6	86.6	96 • 6	86.6	85.6	86.6	96.6	86.6	A6.E
G.F	25001	05 7	A6.9	87.4	87.6	88.0	88.6	88.1	98.1	88.1	88.1	8° • 1	88.1	48.1	e 6 • 1	55.1	⊬e•i
υE	27001		89.2		90.3	90.3	90.3	90.4	95.4	90.4	90.4	97.4	90.4	93.4	93.4	70.4	96.4
ű E	18001		90.2	89•8 90•8	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GΕ	15 001		91.7	92.4	92.6	92.9	92.9	93.0	93.0	93.0	93.C	91.0	93.0	93.7	23.0	93.0	93.0
G E	12001		23.2	94.0	74 . 3	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
6 E	10001	9r. 6	73.5	94.4	94.8	95.2	95.2	95.3	95.3	95.3	75.3	96.8	95.3	95.1	95.3	45.3	95.3
ΰE		91.5	94.5	95.4	95 • 0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	76.3	96.3	96.3	96.3	96.3
GE		91.5	94.5	95.4	96 • Ú	96.7	96.7	96.8	96.6	96.B	96.8	96.3	96.8	96.9	96.0	96.8	96.5
C E		92.2	95.3	96.1	96.9	97.6	97.6	96 · B	97.7	97.7	97.7	97.7	91.7	97.7	97.7	97.7	97.7
GE		97.4	95.6	96.5	97.2	98.3	96.3	98.1	98.1	98.2	98.3	98.1	98.3	28.3	28.3	98.3	98.3
υĒ	5 cal	92.4	95.8	96.7	97.5	98.3	98.3	98.4	98.4	98.5	94.6	95.6	°8.6	98.6	98.6	98.6	98.6
υE		92.4	35.3	96.8	97.5	98.4	96.4	98.5	99.6	98.7	09.1	99.1	99.1	99.2	99.2	99.2	59.2
6 E		92.4	75.9	96.8	97.6	98.4			98.9	99.0	99.5	99.5	99.5	49.6	99.7	99.7	99.7
6 E		92.4	75.9	76.8	97.6	98.4	98.4 98.4	99.5 98.5	98.8	99.0	99.6	99.6	94.5	99.7	99.8	97.8	99.8
GE		92.4	75.9	96.8	97.6	98.4	98.4	98.5	98.9	99.1	99.7	99.7	99.7	99.9	170.5	100.0	100.0
G E	31	92.4	95.9	96.8	97.6	98.4	98.4	98 • 5	98.9	99.1	99.7	99.7	99.7	99.9	170.0	100.0	100.0

PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VEHSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AF3 NO

PERIOD OF PECOPO: 77-86 MONTH: OCT HOUPS(LST): 2100-2360 CEILING G L 5 IN | GE FEET | 10 GF GE 1/4 ر آن 5/8 1/2 5/15 NC CEIL | 58.2 58.6 58.6 5â.7 58.9 58.9 58.9 58.9 58.9 58.9 58.9 58.9 58.9 50.9 58.9 64.2 64.2 65.2 GE 180001 63.7 GF 160001 63.7 64.1 64.1 64.4 54.4 64.4 64.4 64.4 64.4 64.4 64.4 64.4 64.4 64.4 64.4 64.4 64.4 64.4 64.4 64.4 64.4 GE 140001 64-6 6.5.1 65.1 65.4 65.4 65.4 65.4 65.4 65.4 65.4 45.4 65.4 65.4 GE 120001 67.5 68.1 60.2 68.4 69.4 68.4 68.4 68.4 68.4 69.4 69.4 66.4 GE 100001 70.9 GE 90001 71.6 71.5 72.3 75.6 71.5 72.3 71.6 71.9 71.8 71.8 71.6 71.8 71.€ 71.8 71.8 71.8 71.8 71.6 71. * 72.4 75.7 72.6 72.6 75.9 72.6 75.9 77.6 72 . t 72.6 72.6 75.9 77.6 72.6 75.9 72.6 72.6 72.6 8ngal 74.8 75.5 75.7 17.6 75.9 77.6 75.9 77.6 5 E 5 E 75.9 75.9 75.9 15.9 77.3 GE 60001 77.5 78.3 79.3 78 . 4 76.6 78.6 78.6 78.6 GF 50001 78.4 79.2 79.2 79.4 79.8 79 - B 72.8 79.9 79.6 79.4 79.6 79.7 79.7 79.8 79.8 19.4 GΕ 45001 79.6 40001 60.5 83.4 80.4 83.6 87.9 81.0 61.0 82.0 84.4 P1.1 R1.1 82.2 51.1 52.2 81.1 91.1 81.1 21.1 51.1 -1.1 81.9 84.3 82. L 92.2 G F 81.5 81.5 F1.7 92.2 82.2 93.8 ίE 3:001 82.8 83.8 84.1 84.5 84.5 54.5 04. 37301 85. 67.0 97.1 P7.2 P7.2 86.5 GΕ 25001 67.4 88.6 8 P . 6 99.0 89.2 89.4 87.5 89.5 89.5 99.5 89.5 44. G E G E 2000| 69.6 1800| 90.3 93.8 97.9 91.3 92.0 91.5 92.3 91.6 91.6 92.4 91.7 91.7 92.5 91.7 91.7 91.7 91.7 92.5 91.7 91.7 41.7 91.6 92.4 43.2 15001 91.2 92.6 G F 92.4 93.0 53.3 93.3 Ç 3 . 4 93.4 93.4 91.4 93.4 93.4 93.4 93.4 93.4 93.8 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2 10001 92.4 93.4 94.4 94.8 95.2 95.3 95.3 95.4 95.4 94.4 95.4 95.4 25.4 95.4 45.4 üΕ 95.4 9001 92.8 8001 93.0 7001 93.2 6001 93.2 94.3 94.5 45.6 45.7 95.7 95.8 95.9 95.8 95.9 95.8 95.8 95.a 95.3 95.€ 95.4 96.6 97.3 96.6 96.6 96.6 97.3 96.6 96.6 97.0 € E 96.2 96.3 96 . 0 96.6 96.6 96.6 °6.8 96.0 97.3 υE 94.9 95.5 96.1 97. C 27.4 97.4 96.9 97.3 97.6 97.6 5001 93.2 97.3 95.5 97.8 97.8 97.8 97.8 97.A i. F 94.9 96.2 97.1 97.4 97.4 97.6 97.6 4001 93.3 97.8 98.3 99.3 95.2 95.7 93.5 98.5 99.5 97.5 98.8 98.5 98.5 90.5 98.5 98.5 6 E 96.6 98.3 6 E 1031 51.3 25.3 96.8 97.8 98.9 99.2 99.2 99.2 99.2 99.2 99.2 9 5 , 4 2001 93.3 95.3 97.6 99.4 99.4 29.4 CE 96.0 98.5 98.5 99.0 99.4 49.4 99.4 SE 1501 93.3 95.9 98.3 96 ⋅ 8 98.5 48.5 100.0 21 93.3 97.6 97.8 99.6 G F 75.3 95.9 96.8 99.3 99.8 100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER:	727675	ITATZ	ON NAME:	MINC	T AF3 ND					PEP10D MONTH	OF FEC.	0PD: 11		ALL	
CEILING	• • • • • • •			• • • • • •				IN STATE					• • • • • • •		• • • • • • • • • • • • • • • • • • • •
IN GE	GE	GŁ	GE	GE	GE	G E	GE	GE	GE	- PE	GE	GŁ	ĿΕ	GŁ	GE.
FEET 1 10	ь	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/5	1/2	1/16	1/4	3
		• • • • • •					• • • • • • •	• • • • • • •		• • • • • •	• • • • • •	• • • • • •	• • • • • • •		
0614 1 - 5 - 0											5 4 . D				
NO CEIL 55.8	56.4	56.5	56.6	56.7	56.7	56 • 8	56.8	56.8	56.8	5 F . A	56.8	56.9	56.9	56.9	56.9
6, 200001 60.9	61.5	61.6	61.7	61.7	61.9	61.9	62.0	62.C	62.0	62.0	62.0	62.0	62.0	62.C	62.1
GE 180CO1 61.1	61.7	61.6	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.7	62.2	62.3	62.3	62.3	€2.3
GE 16700 61.3	61.9	62.0	62.1	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	67.4	62.4
GE 140001 62.6	63.2	63.3	63.4	63.6	63.6	63.6	63.7	63.7	63.7	67.7	6.3.7	63.7	63.7	63.7	63.4
UE 120001 64.7	65.4	65.5	65.7	65.8	65.6	65.9	65.9	65.7	65.9	65.0	65.9	66.0	66.0	65.0	66.3
6E 100001 67.4	68.2	68.3	68.5	L8.7	68.7	69.7	68.8	6.80	68.6	6 P . B	68.8	68.8	63.0	69.9	66.9
GE 95001 68.2	69.1	59.2	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.5
GE 80001 71.0	72.C	72.1	72 • 3	72.5	72.5	72.5	72.6	72.6	72.6	12.6	72.6	72.6	72.6	72.7	12.1
GE 70001 72.3	73.3	73.4	73.6	73.8	73.B	73.8	73.8	73.8	73.9	77.9	73.9	73.9	73.9	73.9	74.3
6E 60001 73.1	74.1	14.2	74.4	74.6	74.6	74.6	74.7	74.7	74 • 7	74.7	74.7	74.7	74.7	74 • A	74.2
GE 50001 74.2	75.2	75.4	75 • 6	75.9	75.9	76.0	76.C	76.9	76.C	76.1	76.1	75.1	76.1	76.1	76.2
GE 45001 75.6	76.7	76.9	77.1	77.4	77.4	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.7
GE 40001 76.5	77.6	77.8	78.0	79.3	78.3	79.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.6
UE 35001 77.9	79.1	79.3	79.5	79.8	79.8	79.9	79.9	79.0	79.9	79.9	79.9	80.0	PC.J	80.0	FC-1
GE 3000 80.0	£1.2	81.5	61.7	61.9	32. D	82.0	82.1	82.1	P2 • 1	87.1	82.1	82.2	82.2	07.2	62.2
GE 25001 61.9	A 3.3	83.6	83.8	84.1	84.2	84.2	84.3	04.3	84.3	84.3	84.3	84.3	94.3	64.4	P4.4
GE 2000 84.1	35.7	86.0	56.3	86.5	86.6	86.7	86.7	86.7	96.7	8.48	86.3	46.8	°6•8	66.8	86.9
GE 18001 64.9	26.5	86.68	87.1	87.4	97.4	67.5	P7.6	87.6	87.6	87.6	87.6	87.6	A7.6	87.6	97.7
GE 15001 66.4	-8.2	8 A . 6	59	89.4	89.4	89.5	89.6	89.6	89.6	89.7	89.7	89.7	89.7	69.7	69.6
6E 12001 87.4	99.5	90.0	90.5	90.9	90.9	91.0	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.3
CE 10601 85.1	90.6	91.2	91.7	92.2	52.3	92.4	92.5	92.5	92.5	97.6	92.6	92.6	92.6	92.7	92.7
UE 9001 88.6	71.2	91.9	92.4	93.0	93.C	93.1	93.2	93.2	93.3	97.4	93.4	93.4	93.4	93.4	93.5
GE FOOL 88.8	91.7	92.4	93.3	93.7	93.8	93.9	94.0	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.3
GE 7001 F9.0	92.0	92.8	93.6	94.4	94.5	94.7	94.8	94.8	94.8	95.3	95.D	95.1	25.2	95.2	95.3
6E 6001 69.7	92.4	93.3	94 . 1	94.9	95.0	95.3	95.5	95.5	95.8	96.0	96.0	96.1	76.2	96.2	96.3
65 (031 89.4	35.9	93.9	94.9	96.0	96.1	96.5	96.8	96.8	97.2	97.4	97.5	97.6	97.7	97.7	97.8
6E 4001 89.5	93.1	94.	95.1	96.4	96.5	97.0	97.4	97.5	77.9	90.7	78.4	98.5	96.6	98.6	96.E
GE 3001 89.5	73.1	94.2	95.2	96.5	96.7	97.2	97.7	97.9	98.3	98.7	98.8	99.7	99.1	99.2	99.3
GE 2001 99.5	33.2	94.2	95.3	96.6	96.7	97.2	97.8	97.9	98.5	97.0	99.1	99.3	99.4	99.6	99.7
et 1001 8c*2	93.2	94.3	95.3	96.6	96.6	97.3	97.8	97.9	98∙€	90.1	97.2	99.4	99.5	99.7	99.9
GE 01 89.5	93.2	94.3	95 • 3	96.6	96.8	97.3	97.8	97.9	94.6	99.1	99.2	99.4	99.5	99.7	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PERIOD OF RECORD: 77-86 MONTH: NOV HOURS(LST): 0000-0263 VISTRILITY IN STATUTE MILES CEILING 6_E GE GE 3 2 1/2 GE GE GE 2 1 1/2 1 1/4 GE Gŧ GE 1/2 6F 5/16 IN 1 GE FEET 1 10 1 1/4 6 7/4 5/8 2 55.0 NO CETE 1 52.4 54.9 55.0 GE 200001 55.9 57.2 56.9 57.7 58.2 56.2 58.3 58.6 58.6 58.7 50.7 53.7 58.7 58.9 56.6 58.9 59.3 59.7 GE 180001 56.1 GE 160001 56.2 57.1 57.4 57.6 58.8 58.9 59.0 50.9 50.0 58.9 58.9 59.0 59.0 57.9 58.4 58.4 58.6 58.8 58.6 59.2 59.3 58.0 58.7 58.6 59.2 54.7 59.9 140001 56.8 58.2 59.7 50.7 59.7 59.7 59.8 GE 120001 58.6 01.1 59.7 60.1 60.6 61.1 61.2 61.4 61.4 61.6 61.6 61.6 61.6 61.6 61.€ 61.7 6E 100001 60.9 GE 90001 61.6 62·4 63·1 63.8 63.8 63.9 67.9 63.9 64.C 64.7 62.0 62.9 63.4 63.4 63.6 63.9 63.9 61.9 64.2 64.4 64.4 64.6 64.6 62.7 63.0 64.1 64.1 64.6 64.6 64.0 64.6 80001 62.9 70001 65.0 64.9 67.3 68.0 űΕ 64.0 64.4 65.4 65.4 65.6 65·8 67.9 65.9 65.9 65.9 65.9 65.9 65.9 66.0 66.6 67.6 67.7 67.9 5 E 66.1 67.6 58.U 69.0 68.0 68.0 56.3 66.1 60001 65.8 67.6 6.83 68.7 08.9 69.C 69.3 69.0 67.1 68.9 69.1 68.0 66.6 69.0 59.0 71.0 72.2 73.1 50001 67.2 69.7 70.8 73.8 73.9 70.3 70.3 75.9 70.9 72.9 72.9 74.7 72.1 77.5 74.8 45001 68.4 40001 69.3 70.3 71.6 71.8 72.7 72.0 72.9 72 • 1 73 • 0 72.1 73.0 72.1 73.0 72.1 73.J 6 E 69.9 71.6 72.1 77.8 71.8 72.4 73.0 G € 74., 35 CO | 72.6 13.0 74.9 GΕ 30001 71.9 73.3 73.9 74 . 6 75.2 75.2 75.4 75.8 75.8 76.1 76.1 76.1 76.1 76.1 76.1 76.2 6 E 75.7 76.2 76.9 77.6 77.6 78.4 78.4 78.6 25 apl 73.9 78.4 72.4 78.4 78.1 79.7 76 • 1 79 • 7 20001 75.2 77.2 77.8 79.1 79.1 79.3 PO.0 80.0 8.08 AD.3 P0.0 80.C 80.1 #1.0 78.4 80.0 6 E 6 E 1800| 75.7 1500| 76.8 87.1 82.0 80.6 83.0 8.08 83.0 P0.9 77.9 78.6 79.2 79.9 79.9 80.4 8J.4 87.9 80.9 76.F 8 C • 2 82.3 82.4 81.0 81.7 91.8 87.3 87.2 15 F 12001 79-8 92.8 86.0 97.1 87.2 P 7.3 10001 81.6 94.5 86.1 88.7 89.4 90.6 89.7 A9.9 f. F 86.9 67.7 97.8 88.2 98.6 F9.7 89.9 89.8 89.8 91.2 91.3 9401 82.2 95.8 87.9 98.8 89.2 90.9 91.2 91.2 GΕ 88.7 89.6 6 E 8UD | 62.4 700 | 83.2 86.3 87.7 88.4 89.2 89.3 90.0 90.3 93.4 91.3 91.7 91.1 91.7 92.7 92.0 92.0 93.6 92.1 93.6 88.9 90.7 91.9 92.8 93.1 93.4 GE 89.7 96.8 91.4 91.8 603| 84.1 90.1 92.7 93.û 94.0 96.6 500| 84.1 90.7 R9.1 91.4 92.7 97.6 93.9 97.3 GF 4001 84.3 99.3 90.9 91.7 93.1 93.2 94.4 94.7 95.8 96.6 96.6 96.9 97.3 3001 84.4 97.3 98.2 94.2 94.8 91.7 98.1 98.4 99.4 91.0 93.2 95.1 96.4 97.3 G E 91.8 93.3 89.4 99.9 2001 84.4 93.2 93.3 94.9 98.2 98.2 09.2 99.3 99.7 1001 84.4 100.0 G E 91.0 91.8 94.2 95.2 97.0 99.4 98.4 99.0 99.4 59.6 6 E 93.2 94.9 95.2 01 84.4 89.4 91.0 91.8 93.3 94.2 97.5 90.4 98.4 100.0 99.n 99.4 99.6

PERCENTAGE FREGUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

PEPIOD OF RECORD: 77-86 MONTH: NOV HOURSILSTI: 0300-0500 NG VISIRILITY IN STATUTE MILES CEILING G E 4 GE GE 3 2 1/2 GE GE GE 2 1 1/2 1 1/4 GE G.F GE G E 1/2 GE 1 IN I GE FEET | 19 5/10 5/8 1/4 6 5 3/4 а NO CEIL | 50.7 51.9 56.1 56.1 GE 200001 54.6 55.0 55.2 55.3 55.3 55.6 55.6 55.6 55.7 55.8 55.9 56.2 56.2 56.5 GE 18700| 54.6 GE 16000| 54.6 GE 14000| 55.7 55.g 55.C 55.0 55 • 2 55 • 2 55.7 55.7 55.8 55.3 55.3 55.6 55.6 55.6 55.9 56.2 56.2 56.3 55.6 55.8 55.9 56.2 55•3 55•8 55.6 55.3 55 +6 56.1 56.2 56.3 55.4 56.0 56.2 56 . 3 56.6 56.7 GE 120001 57.2 58.2 50.4 57.7 57.9 58.0 58.0 58.2 58.2 58.3 58 • 6 58 • 9 58.9 58.9 54.0 6E 100001 60.2 61.5 62.1 60.7 61.8 60.9 61.2 61.2 61.4 61.7 62.0 62.2 63.3 60.7 61.4 61.4 61.0 62.6 62.7 62.9 63.2 GE 3LDC| 91.5 62.6 62.6 63.1 61.8 62.0 62.3 62.3 80001 62.3 70001 63.9 63.2 63.9 GE 62.9 63.2 63.6 63.6 63.8 63.8 63.8 64.0 64.1 64.3 64.4 64.4 64.6 65.4 65.4 65.7 65 . 8 66 . C -6.1 66.1 66.2 64.6 65.4 64.9 65.2 65.2 60001 64.3 65.8 55. 8 66.0 66.0 66.0 66.1 66.2 66.3 66.7 67.2 68.0 67.9 (, F 50001 65.7 67.7 67.9 67.9 62.1 68.2 68.4 68.6 60.6 66.7 70.0 45001 67.4 68.7 68.9 69.8 69.8 69.9 70.1 7n.3 70.4 70.4 70.6 GΕ 69.1 69.4 69.6 69.8 40001 67.6 68.9 69.1 69.4 69.8 69.9 73.2 70.3 70.3 70.4 70.6 70.7 73.9 71.0 71.0 71.1 G E 3500| 68.6 3500| 70.1 69.9 70.1 73.4 70.8 70.9 71.2 71.3 71.3 71.4 71.6 73.7 71.9 72.3 74.1 72.0 72.1 71.6 71.9 72 . 2 72.6 GΕ 25001 71.7 73.9 74 . 7 75.1 75.3 73.1 73.4 74.2 74.5 20001 72.8 74.9 75.2 75 . 7 76.1 76.2 77.4 76.6 77.8 77.0 78.2 77.1 77.2 77.3 77.6 77.7 77.7 77.8 77. C 78.9 78.9 79.0 78.3 70.4 78.6 78.9 GE 1860| 73.9 76.1 76.4 76.9 78.2 1500| 75.6 1200| 78.0 83.3 ø3.6 61.3 F1.4 78.2 78.7 79.6 79.7 89.9 G F 81.9 82.3 62.8 92.9 P 3. 9 84.7 64. 84.6 64.8 95.1 GE 10001 61.0 94.8 85.3 85.9 86.3 87.3 86.9 88.0 07.7 87.8 80.0 88.1 98.6 68.6 A8.9 66.4 87.6 88.3 88.7 89.3 89.4 R9.9 9001 81.3 95.6 86.2 86.9 £7.4 88.8 89.7 90.2 GΕ 88.9 65 8001 81.3 36.1 86.8 87.6 88.1 86.2 88.8 89.4 89.6 89.7 90.2 90.3 90.6 90.8 90.8 91.1 92.J 93.D 87.7 90.8 90.9 91.6 91.9 92.0 92.3 ьE 7001 81.8 F 7 . C 88.4 89.2 89.3 97.0 90.7 91.4 G F 90.0 90.8 93.3 5.01 83.7 89.6 90.6 91.4 92.3 92.4 93.2 94.0 94.1 94.7 95.2 95.3 95.6 95.8 95.8 96.1 4001 63.7 3001 83.8 96.7 97.0 89.8 90.9 91.1 92.8 93.7 95.1 96.4 6 F 91.0 92.9 94.4 94.6 95.7 95.8 96.1 97.7 97.8 99.1 99.4 92.4 94.2 95.1 96.0 96.1 96.8 98.3 90.8 91.2 92.6 92.5 6 E 2001 83.8 93.6 94.2 94.3 95.3 96.2 96.3 97.5 98.0 98.1 98.7 99.1 99.4 99.9 1001 83.8 95.6 94.2 98.1 99.1 100.0 97.0 98.7 94.3 95.3 96.2 96.3 01 83.8 92.6 99.1 99.4 9 S. C 91.2 94.2 94.3 95.3 96.2 96.3 97.0 99.0 98.1 98.7 100.0 GΕ

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO PERIOD OF PECURD: 77-84 MONTH: NOV HOURS(LST): 3630-2600 VISIBILITY IN STATUTE MILES GE GE GE CEILING. 6€ 1 GΕ IN | GE FEET | 1 GE GΕ G F GE 65 GE GE GE 2 1 1/2 1 1/4 6£ 3 2 1/2 6 5 3/4 5/6 1/2 5/16 1/4 50.1 NO CEIL | 49.2 49.7 57.1 50.1 50.0 50 · C 50.1 50.1 50.1 50.1 50.1 50.1 50.1 50.1 54.4 54.7 54.7 54.7 GE 200001 53.4 E4.1 54.4 54.7 54.7 54.7 54.7 54.7 c4.7 54.7 54.9 cu ę 54.8 54.8 54.8 54.5 GE 180001 53.6 GE 160001 53.6 GE 140001 53.6 €4. € 54.8 54.R 54.0 54.5 54.2 54.6 54 . 6 54.8 54.A 54.H 54.8 54.6 54.8 54.4 54.8 54.9 54.8 4.8 54.6 54.8 54.4 54.6 C4 . A 54.2 54.8 54.8 54.0 54.A GE 100001 59.3 59.1 59.4 59.6 59.3 59.4 59.8 59.8 59.5 50.8 59.8 50.B 63.7 54.8 67.7 G E 90001 59.1 60.0 60.3 62.8 60.7 60.7 60.7 63.0 63.7 63.0 60.7 60.7 67.7 61.7 f 3. 7 f. 3. u 63.0 64.1 64.3 63.0 63.0 GΕ 52.1 63.0 63.0 63.0 63.6 64.1 64.3 64.3 63.4 64.1 66.6 3 2 50001 63.7 64.9 66.2 66.4 66.4 66.4 66.6 65.6 67.6 65.9 £6.1 66.6 66.6 66.6 66.6 66.6 45001 65.4 68.4 68 • 7 69 • 7 68.7 68.8 6 A . 9 68.8 69.8 66.8 59.8 60.8 fe.5 66.9 67.9 68.3 68.7 69.2 69.7 70.9 69.P 67.4 68.1 68.7 69.7 49.8 69.4 69.8 59.8 68.2 70.9 35001 66.4 73.3 7C.4 70.7 6 E 35001 64.9 68.7 69.3 70.2 71.0 71.1 71.4 71.4 71.4 71.6 71.6 71.6 71.6 71.6 71.6 71.6 73.8 25001 68.3 73.1 73.7 73.6 71.0 73.6 73.8 73.8 73.8 GF 71.0 72.2 73.1 73.2 73.7 73.7 20001 70.1 75.7 76.2 76.2 76.2 G E 71.9 72.6 74.0 75.0 75.1 75.9 76.2 76.2 76.2 70.2 76.1 75.1 18001 70.7 72.9 73.8 76.1 7t.2 77.3 77.3 77.3 77.3 77.3 17.3 87.1 15001 72.9 PD.1 80.1 87.0 G F 75.4 76.4 77.9 79.9 79.5 79.6 79.8 80.0 AC . 1 e3.1 93.1 e [. 1 78.1 80.6 GE 1000| 76.0 79.8 80.9 82.3 83.4 83.7 84.3 65.0 85.0 P5.0 GE 9001 77.9 91.9 82.8 83.0 84.0 84.4 85.4 65.6 85.7 85.6 86.9 86.4 87.7 86.8 98.0 87.0 97.1 87.1 87.1 87.1 88.7 97.1 88.7 67.1 88.7 A7.6 89.7 98.3 88.7 87.4 R9,4 C. F 7601 73.0 73.4 64.7 £7.4 92.3 92.8 89.6 G € 6001 79.3 93.8 85.1 86.7 88 . C 98.2 89.0 89.3 8.04 90.3 90.3 90.3 ĢΕ 5001 80.2 94.8 90.0 90.9 91.6 91.8 92.6 92.7 92.8 92.9 03.3 93.1 93.6 86.2 88.1 69.1 91.4 92.3 92.7 95.0 97.6 4001 80.6 85.9 89.6 91.1 93.0 93.2 93.4 94.1 94.4 94.6 94.9 95.6 92.3 97.3 96.1 87.7 92.0 93.4 96.6 6 E 300| 60.6 90.0 94.3 94.8 95.1 96.7 96.3 98.1 87.8 94.7 95.1 90.1 95.4 97.4 96.6 96.7 99.0 48.8 GΕ 1001 80.6 87.9 90.2 92.4 94.0 94.9 95.3 95.1 97.7 97.1 97.6 98.2 98.9 99.7 71 80.6 97.1 97.6 GF 86.2 87.9 90.2 92.4 92.9 94.0 95.3 25.7 97.0 98.5 99.0 130.0

PERCENTAGE FREQUENCY OF CCCURPENCE OF CETEING VERSUS VITBILLITY FROM HOURLY $O_{B,\Sigma_{E}}RVationS$

STATION NUMBER:	727675	STATE	CN NAME:	M 1 NO	T AF3 NO					PEP10D MONTH		090: 77 HOURS	-86 (LSI):	n9n-11	rı.
CEILING	• • • • • •	•••••	• • • • • • • •	• • • • •	••••••			IN STATE							
19 GE	GF	G.E.	GE	GE	LE	GE	G.S.	30	GE	ne.	Ġ!	GE	GE	54	üt
FEET 10	ti	5	4		2 1/2		1 1/2		1	3/4	5/8	1/2	111	1/4	ن
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			_			_									
NO CEIL 45.0	47.0	47.3	47.4	47.9	47+9	49.0	48.1	48.1	48.2	48.2	48.2	48.2	48.2	44.3	4 5 . 3
GF 200001 51.4	53.3	53.3	53.6	54.0	· 4.0	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.4	54.6	
UF 160001 51.4	53.1	5 3 • 4	53.7	54.1	54.1	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.6	54.7	54.7
3f 16rapl 51.6	53.1	53.4	53.7	54.1	54.1	54.2	54.3	54.3	54.4	54.4	54.4	54.4	٠, 6	54.7	54.7
6F 149631 51.8	53.4	53.8	54.0	54.6	54.6	54.7	54.8	54.8	54.9	54.9	54.9	54.9	55 J	55.1	45.1
GE 120001 54.7	56.2	56.6	56 . A	57.3	67.3	57.4	57.6	57.6	57.7	57.7	57.7	57.7	57.8	57.9	5.7.9
					•										
6E 100001 58.0	A 5.3	60.7	6	61.4	61.4	61.6	61.7	61.7	61.8	61.9	61.0	61.8	61.9	62.0	64.3
6F 90001 59.2	61.6	51.9	62.2	62.8	62.8	62.9	63.U	63.C	63.1	63.1	63.1	63.1	63.2	63.3	43.3
GE 87JC 61.0	43.3	6 1 . 7	64.3	65.1	65.1	65.4	55.6	65.6	65.7	65.7	65.7	65.7	£5.8	660	€5.3
JE 70001 62.2	64.6	64.9	65.6	66.3	66.3	66.7	66.8	o6.8	66.9	66.9	66.9	66.9	67.3	67.1	67.1
65 60001 62.º	55.1	55.4	6E • 1	66.7	(6.4	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.6	67.7	61.7
GE 50001 63.4	45.9	66.2	67.2	69.1	68.1	6ª . 6	68.7	68.7	68.6	60.8	68.8	68.8	68.9	60.3	69.3
SE 4 COCI 64.9	67.3	6 7 . P	68.4	67.8	64.6	70.2	73.4	70.4	70 • €	71.6	70.6	73.6	73.7	70.9	7 C • 5
6E 4900 65.6	68.7	63.2	70.3	71.4	71.4	11.9	72.1	72 - 1	72.3	72.4	72.4	72.4	77.6	77.7	72.7
GE 35001 66.7	59.4	7 C + 1	71 . 2	12.3	72.3	12.8	73.3	13.0	73.2	72.2	73.3	73.3	73.4	13.6	73.6
GE 37001 67.0	7.3.1	7 ∩ • 8	71.9	73.1	73-1	13.€	73.8	73.B	74.0	74.1	74.1	74.1	74.2	74.3	74.3
GF 25001 67.F	71.2	12.0	73.2	74.4	74.6	15.0	75.2	7	75.4	75.7	75.7	75.7	75.8	71.0	75.4
GE 20001 69.3	72.9	73.7	75.0	16.4	76.6	77.0	77.2	17.2	77.6	70.0	79.0	19.3	78.1	72.2	76.2
GE 18301 69.9	73.4	14.2	75.6	77.5	77.1	77.6	77.b	77.9	74.1	78.5	78.6	79.6	78.7	78.9	74.8
UE 15001 72.4	76.1	76.9	70.3	79.5	at.€	80.6	F). 4	87.9	91.2	81.7	91.7	H1.7	91.H	81.9	41.9
GF 12001 74.6	7 P . 8	70.8	41.4	H3.L	+ 3. Z	93.0	94.3	84. T	94.7	8 5 - 1	85.1	35.1	P5.2	85.3	65.3
GE 10001 75.7	4.1	91.3	#3+3	84.8	85.1	85.0	86.2	86.2	°6.6	87.1	A7.1	P 7 . 1	97.2	e 7 • 3	F 7 . 4
6E 9001 76.6	91.0	82.2	A3.4	85.7	+6. C	86.7	A7.1	87.1	A7.6	6 ° • 1	A A . 1	MB . 1	8 H = 2	5 P . 3	RE. 4
GE 8001 77.3	91.9	93.1	84 a d	£6.5	F t. 9	87.6	88.1	88.1	PB . 7	89.2	89.2	89.2	94.3	8 F . 4	R G . b
GE 7001 78.2	42.4	84.7	86.ú	67.5	FF. 1	88.8	A 7. 3	09.3	59.9	7^.4	90.6	90.7	₹Ç.8	4J.9	21.0
GE 6001 7A.4	# 5. u	84.9	97.1	69.9	99.2	86.3	93.4	YÜ.4	91.0	91.5	91.7	91.A	91.9	45.0	92.1
SE 5031 79.7	0 3.9	85.4	97.7	92.2	56.3	31.2	91.9	91.9	92.7	97.4	93.6	93.7	93.A	93.9	44.0
GE 400 79.7	4 4 • C	85.6	P8 • 3	90 • n	91.1	97.3	03.4	93.6	94.7	95.4	95.9	96.1	96.2	96.3	96.4
6E 3001 7A.7	34.0	85.8	PB.5	91.1	01.4	92.4	94.0	94.1	95.2	96.3	96.4	96.9	96.9	97.0	97.2
GE 2001 78.8	A 4 • 1	85.9	88.5	91.6	91.9	93.2	94.6	94.9	96.7	97.3	97.4	97.8	98.3	98.3	99.6
Gr 1601 79.8	P 4 . 1	85.5	88.6	41.6	91.9	93.2	94.6	94.A	96.2	97.3	97.4	98.0	98.3	99.7	100.0
ŭ£ ე 7₽.₽	84.1	85.9	AB + 5	91.6	41.4	93.2	94.6	94.8	96.2	97.3	97,4	98.7	98.3		100.0

PENCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AF3 NO PERIOD OF RECORD: 77-86 MONTH: NOV HOURSILSTI: 1200-1406 VISIPILITY IN STATUTE MILES CEILING # 3 2 1/2 2 1 1/2 1 1/4 1 3/4 IN | GE FEET | 10 GE S£ 5ء 5 GΕ GE €/16 - 6 5/8 1/2 1/4 С 47.4 47.3 NO CETE | 46.3 47.1 47.2 47.3 47.6 47.6 47.8 47.6 47.9 47.9 47.3 47.9 47.3 GE 200601 51.8 54.7 54.4 52.9 53.2 53.4 53.4 53.9 53.9 54.1 54.1 54.4 54.2 -4.2 GE 16000 52.0 54.4 54.4 54.4 54.4 54.4 53.1 53.4 53.7 54.1 54.1 54.1 54.3 54.4 54.4 54.4 53.4 54.1 54.1 14.3 64.4 54.4 53.7 54.1 54.3 54.4 54.3 54.4 55.6 55.6 57.8 GF 140001 53.2 55 . R 55.9 55.9 55.9 55.9 GE 120001 55.4 56.6 56.9 58.0 58.7 58.1 SP . 1 58.1 GE 100001 60.4 62.2 62.4 63.1 63.1 6 7 . 4 63.4 63.4 6 7 . 4 43.4 67.9 90001 60.8 62.2 62.6 62.9 €3.6 63.6 6 7 .6 63. A 63.A 63.9 63.9 63.9 63.9 63.9 63.9 GE 80001 62.7 70001 62.7 63.4 64.E 64.9 65 • 0 65 • 3 66.3 60.6 . 5 . 2 66.4 66.4 66.7 66.7 66.8 66.6 66.P 67.3 64.2 66.9 GΕ 66. 3 67.0 66.9 67.7 67.6 67.A 60001 63.1 44.7 65.3 65.8 66.9 67.3 67.7 67.7 67.8 67.5 67.9 6 F • 7 68.7 G F 50001 63.3 45001 63.7 65.1 65.9 66.3 67.7 67. i 68.2 68.2 68.6 69.6 68.6 68.7 68.7 69.8 69.9 6 F 65.6 66.3 66 . 6 69.1 ter . 1 68.7 69.1 69.1 69.7 69.8 69.9 69.9 65.9 69.5 69.7 40001 64.1 66.9 69.2 70.2 77.3 70.3 73.4 73.4 70.4 56.1 10.7 49. E 71.4 71.6 72.6 35 COL 65.2 67.2 68.3 68 . 4 73.6 71.6 71.6 71.6 77.8 75. F 59.7 "2.2 73.7 25.001 67.6 12.3 72.4 73.1 73.7 74.3 υE 73.4 71.0 2000| 69.9 1860| 71.3 73.3 73.6 74.9 75.7 77.1 76 • R 78 • 2 76.9 78.3 76.9 78.3 77.3 78.4 75. C 76.2 16.2 77.0 17.0 77.0 76.4 78.4 78.4 75 . 3 76.4 77.7 6 E 77.7 87.3 52.7 77.7 P2.7 83.1 ù E 12001 75.0 78.3 79.6 60.3 81.7 52.1 43.9 95-4 45.4 10001 76.3 P7.0 A7.7 87,9 A7.9 67.9 F 6 . 0 GΕ a J. 3 -4.3 87.6 84.1 85.4 86.2 06.2 81.7 82.4 62.7 83.8 86.7 87.9 89.8 89.0 89.2 90.9 67.6 98.3 80.9 89.2 R9.2 úΕ 9001 77.2 81.2 93.4 85.2 85.4 86.7 87.6 90.6 8301 78.1 92.1 43.6 34.6 86.4 89.3 88.9 93.9 88.7 97.9 99.E 90.3 90.3 90.9 92.9 91.1 85.3 7001 86.4 96.6 92.6 6 € € po i B6.7 90.2 91.7 92.9 94.9 95.0 87.0 95.7 95.7 95.7 45.9 (, f Spol ec.c 84.8 88.6 90.0 91.6 92.4 93.6 4.10 24.6 94.1 95.5 400| 60.1 300| 83.1 200| 87.1 87.4 87.6 87.6 91.6 92.1 92.2 96.6 97.3 97.0 97.1 97.1 97.3 £4.9 84.9 GE 89.0 91.9 93.4 94.6 44.7 95.6 96.3 72.4 94.1 95.3 95.4 96.€ 97.8 27.9 97.9 46.1 24.9 89.4 22.6 94 . . 95.4 15.6 97. 97.9 98.1 98.7 98.8 48.8 99.6 .2.6 92.2 94 .2 GΕ 01 80.1 94.9 87.6 89.4 92.2 92.6 94.2 95.6 98.8 98.8 100.0

GLOBAL CLIMATCLOGY PRANCH AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF GCCURPENCE OF CELLING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

PERIOD OF RECORD: 77-86 MONTH: NOV HOURS (LST): 1500-1766 EILING VISIPILITY IN STATUTF MILES CEILING IN | GE FEET | 10 GE GE 5 ت 5 GE GE 3 2 1/2 GE GE GE GE 2 1 1/2 1 1/4 1 Gf GF 1/2 5/16 57.3 NO CEIL | 49.2 50.0 50.1 50.3 10.3 57.3 50.3 50.3 50.3 50.3 57.3 50.3 50.3 10.3 54.6 57.0 57.1 56.6 57.0 57.1 GE 200001 55.2 56.1 56.3 56.4 56.6 56.6 57.0 57.1 56.9 57.3 57.0 57.1 57.4 57.0 57.1 57.J 57.0 57.1 57.0 57.1 57.4 GE 18000| 55.7 GE 16000| 55.8 56.6 56 .P 57.3 57.0 57.3 57.1 57.1 57.1 GE 14-001 56.1 57.0 57.2 57.4 57.4 59.7 .7.4 57.4 57.4 57.4 59.4 59.7 59.7 59.7 59.7 E9.7 GE 120001 58.3 59.2 . . . 7 59.6 63.0 GE 100acl 62.0 63.2 63.4 63.6 63.7 63.7 63.7 63.9 63.9 63.9 63.9 6 1. 7 1.3.0 67.1 67.9 6° • 3 90001 63.1 64.8 67.4 68.2 65.0 65.1 65.0 68.1 65.0 65.J è5.3 64.6 67.7 64.8 65.0 GF 80001 64.7 GE 70001 65.4 66.6 57.3 66.8 67.7 68.4 68.1 69.0 68.1 69.1 66.1 f 9.3 68.1 59.1 69.3 68.4 60001 65.9 67.8 69.7 69.1 69.7 69. 69.7 69.7 69.7 69. 59.7 69.7 69.7 71.1 70.1 70.1 50001 66.1 69.1 69.3 69.6 70.1 70.1 77.1 70.1 77.1 70.1 71.7 77.1 77.7 76.5 68.9 73.3 73.8 73.9 72.3 72.9 71.7 73.1 73.7 71.7 71.7 77.1 77.7 45001 66.9 40001 69.2 70.3 71.3 70.6 12.0 71.7 1. 1 69.4 73.0 71.6 71.€ 70.9 71.4 73.0 73.0 73.6 73.1 73.1 13.0 6 F 35001 68.6 11.3 71.9 72.3 72.6 73.7 74.9 30001 69.6 72.0 73.9 75.J ٠5.3 G E 72.6 73.1 77.4 11.4 77.4 77.6 77.6 77.6 77.6 11.6 úΕ 25031 71.6 74.9 76.7 74.3 74.4 76.0 76.2 76.2 77.1 40.0 78.9 67.3 83.9 79.7 79.9 14.9 77.6 78.3 79.9 79.9 79.9 20001 73.2 76.9 78.1 79.7 74.7 19.9 6 E 79.4 82.9 79.8 31.1 84.7 01.1 04.7 °1.1 81.T ^ρ1•3 ες. J 81.3 a 1 . 3 61.3 65.0 91.3 18001 74.1 78.5 78.7 15001 76.4 A1.9 81.1 ٥5.3 GE 12001 79.3 88.4 # 6 . e 6 f 6 F 10601 79.8 94.3 85.6 86.3 67.4 97.8 88.7 99.4 0 7 . 4 89.4 50.9 89.9 93.0 30.D 96.0 900| 59.6 900| 61.1 730| 81.4 90.7 91.1 92.4 97.7 91.1 91.2 R 5. 3 91.2 91.2 86.7 97.4 E . 6 88.9 89.8 93.6 91.7 91.2 n6.6 87.3 50.2 89.4 84.8 90.7 91.7 91.9 93.: 91.1 91.4 G E 96.6 88. 69.3 90.6 46.9 91.8 92.4 42.9 91.7 91.9 95.3 95.6 94.6 603| 81.6 96.0 91.6 94.7 96.1 6 F 88.9 94.1 42. L 92.9 5001 81.7 49.3 96.6 42.4 92.9 94.5 95.2 45.6 26.1 96.9 91.2 ¢ 3. 3 97.1 98.6 G E 4001 P1.7 97.3 89.3 90.6 92.9 94.6 95.8 96.1 96.7 97.4 47.8 97.8 47.9 96.3 98.8 65 3001 81.7 A 7.3 89.6 90.8 93.1 93.6 94 . 96. 1 96.9 97.7 48.0 94.3 98.1 94.6 99.1 ç a . 6 2001 61.7 89.6 90.8 43.8 95.7 96.2 95.6 98.4 93.3 96.6 GE 1051 #1.7 97.3 89.6 90.6 23.8 95.3 96.2 97.2 99.1 94.2 19.6 98.6 98.7 100.0 17.3 89.6 01 81.7 C. F 96.8 93.3 97... 98.1 98.2 40 6 99.0 GR.7 155.0

PERCENTAGE FREQUENCY OF OCCURPENCE OF CELLING VERSUS VICIBILITY FROM FOURLY OBSERVATIONS

STA	TION NO	JM8F8:	727675	STATI	ON NAME:	MI NO	T AF3 ND					PERIOD	OF PECO				
												HUNIH			LST1:		
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	LING		_				_			IN STATE							
	N I		GE	6.6	CF	e E	G.E.	O.E.	G E	G F.	GE	C.F.	C i	GE	üξ	GE	(1)
_	E†	7 C	6	5	4		2 1/2		1 1/2		1	7/4	57 d	1/2	c\10	1/4	~
• • •	• • • • • •	• • • • • •	• • • • • • •	•••••	• • • • • • • •	• • • • • •	•••••	• • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •			• • • • • • • • • • • • • • • • • • • •
N C	CETE 1	49.2	49.7	49.8	49.9	50.1	٩٤.1	50.3	50.3	50.3	50.3	55.3	50.3	50.1	50.3	50.3	٠٤.٠
6 F	200001	55.9	56.4	56.6	56.9	57.1	57.1	57.3	57.3	51.3	67.3	57.3	57.3	57.3	e 7 . 3	57.3	- 7.4
	180001		56.7	56.8	57.1	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	67.6	57.6	17.7
	160001		56.7	56.8	57.1	57.3	57.3	57.6	57.6	57.6	57.6	56	57.6	57.6	£ 7 . L	57.6	17.7
	140001		57.3	57.4	57.8	58.0	50.0	58.2	58.2	58.2	6.8 . 2	50.2	58.2	58.7	65.2	50.2	E 8 . 7
	120001		59.9	60.0	60.3	50.6	60.6	60.9	6.7 • 8	67.9	60.8	60.9	60.8	50.9	63.3	ur.A	4 4
		•		•							-					•	
GE	100001	62.6	63.2	63.3	63.9	64.0	64.3	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	54.2	64.3
G E	90001	63.4	64.3	64.4	64.9	65.1	65.1	65 . 3	65. 3	65 • 3	65.3	65. 3	65.3	65 • 3	4.5.3	66.3	15.4
GΕ	10008	65.3	16.3	66.6	67.3	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.1	67.7	67.7	67.7	67.6
GΕ	70001	67.2	68.3	6 . 7	69.1	69.5	64.6	69 . R	69.8	69.8	49.8	69.P	69.6	59.A	64.8	6 F . A	144+
G E	67031	67.3	68.4	6.6	69.2	69.7	69.7	69.9	69.9	69.9	69.9	60.9	69.9	69.9	69.7	69.9	70.0
GE	5ngg		69.€	69.3	69.6	73.2	76.2	70.4	73.6	72.6	70.7	77.7	70.7	73.7	73.7	77.7	10.0
GF	45001	65.6	70.8	71.1	71.6	72.0	72.0	72.2	72.3	72.3	77.6	72.6	72.6	72.6	7.7.6	12.6	72.7
6 E	40001	70.1	71.3	71.7	72.1	72.6	72.6	72.9	72.4	12.9	73.1	7 7 . 1	73.1	73.1	73.1	77.1	13.2
GF	35 00 1	70.7	72.1	72.4	73.3	73.4	73.4	73.7	73.8	73.0	74.0	74.0	74.0	74.0	74.J	74.5	4.1
GΕ	30001	71.6	73.2	73.6	74 - 1	74.7	74.7	74.9	75.0	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.5
ĿΕ	25.001		74.9	75.3	75.9	76.7	76.7	77.0	77.1	17.1	77.3	77.3	77.3	77.3	77.3	77.3	77.4
CE	5000;		76.C	76.6	77.1	78.2	78.2	79.6	78.7	78.7	79.€	70.0	79.6	19 . C	74.3	19.0	79.1
Ū €	1863		77.G	77.7	78 • 2	79.7	74.7	8 ∵• ე	80.2	90.5	90.6	60.6	8G.6	80,6	°G.6	87•€	PC.7
€ E	15001		30.1	81.0	91.7	83.1	₹3•1	83.7	84.4	84.4	R4 . 9	84.9	84.9	94.9	A4 * A	ë 4 * d	F.S. C
GΕ	12001	60.7	44.B	85.7	86.4	6A.	4 A . C	8ª.7	89.6	89.6	30 • D	3.06	30 • O	90.0	ر.∪•	90.0	٠ ن • 1
6.6	10001	61.2	25.6	86.6	87.3	88.9	86.4	87.7	90.7	90.7	91.1	91.1	91.1	¥1.1	91.1	91.1	91.2
Ŭ.F		2.53	46.4	89.0	F8.3	90.3	50.3	91.1	92.1	92.1	92.6	97.6	97.6	97.7	92.5	42.9	92.9
G E		67.2	97.2	6 A . 6	89.3	90.9	70.9	91.7	92.8	92.8	93.2	91.3	93.3	93.6	93.7	93.7	43.P
G €		82.4	97.4	8.88	99.5	91.3	91.3	92.1	93.4	93.4	94.8	94.2	94.2	94.4	74.6	94.6	94.7
GE		52.4	97.6	68.9	90.0	91.6	71.6	92.4	93,9	93.2	74.9	95.2	95.2	95.6	33.7	95.7	95.8
						-											
G F	1001	42.4	P 7 • 8	89.3	90.4	92.1	92.1	93.9	94.6	44.6	95.7	96.7	96.7	97.1	91.2	97.2	47.3
GF	4001	82.4	97.8	89.4	90.6	92.3	92.3	93.3	95.U	95.0	96.3	97.3	97.3	97.R	97.3	97.9	98.0
G €	3001	F 2 • 4	97.8	89.4	4Q • 6	92.4	02.4	91.6	75.3	95.3	36 ⋅ B	97.9	97.9	99.3	96.4	99.4	98.6
GE	2001	e2.4	47.8	89.4	90.6	92.4	.2.4	93.6	75.4	95.4	96.9	98.1	98.1	98.6	78.8	9 R . B	98.9
(E	1001	62.4	97.8	87.4	40.6	42.4	72.4	93.6	95.4	95.4	96.9	98.7	93.2	94.9	00.1	99.2	99.6
G F	٥١	87.4	87.8	87.4	96.6	42.4	92.4	43.6	95.4	45.4	96.9	98.2	98.2	99.1	24.6	99.7	106.3

GLOBAL CLIMATOLOGY PRANCHUSAFETAC

PERCENTAGE FREWMENCY OF OCCURRENCE OF CFILING VERSUS VICIHILITY FROM FOLVELY NOSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO FROIDS OF THEODER 77-64 MONTH: NOV HOURSTESTE: 107+1310 VISIBILITY IN STATL TO MILES CEILING 6E 6E 3 2 1/2 6E 0F 0E 0E 7 1 1/4 GF 4 (F FEET | 17 173 1/16 1/4 6 5 1 1/4 5,7 -NO CELL 1 52.4 ... 4.7 68 20mool 57.3 59.4 54.4 64.7 49. 40.7 54.7 See 2 . . . 7 6 9 . 6 6 0 . 2 53.4 62.7 67.1 63.2 5... GE 180301 57.6 GE 160331 57.9 59.3 59.4 60.1 c 9. 9 59.7 59.1 59.9 59.9 49.4 3. . . . 59.2 60.0 6°.1 40.. 43.€ 4 . . . 3 60.0 6.C. B 60.2 60.2 . . . ! ut 140001 58.0 12.3 60.1 60.3 62.2 GE 120001 59.8 61.4 61.0 62.2 62.3 62.4 GE 100001 61.7 63.3 63.4 64.2 64.2 64.2 64.3 F-4-4 64.4 64.4 64.4 6° • 4 54.4 65.4 14.4 F5.4 ; 4 • 4 ; * • 4 ; * • 4 65.0 6 . 4 . . . 4 GΕ 90001 62.3 64.C 64.4 64.7 £4.9 £5.4 10.4 80001 63.6 65.3 65.4 66.2 66.2 66.2 66.3 68.7 66.4 16.5 64.0 16.5 6.5. ... 46. F . . . 1 57.1 14.1 69.1 67.7 67.5 68 . 6 66.6 69.1 67.1 14.1 $t_{i} \geq \epsilon_{i}$ 6.9.1 69.2 60001 66.3 12.4 12.2 12.6 11 . 2 12 . 3 12 . 6 11 . 9 GF 50001 67.6 67.3 69.6 79.3 77.4 73.4 72.0 72.0 73.6 1 . r 1 . . . 1 . . . 70.3 73.9 70.6 71.3 71.3 71.9 71.9 72.0 72.5 72.6 6 F 45 COL 68.6 71.3 71.5 11.9 40001 69.7 71.1 71.9 12.4 13.3 6 E 72.4 73.8 73.3 13.4 35001 62.9 12.1 72.4 73.2 73.2 73.2 73.5 74.7 υE 30001 70.4 72.7 73.1 73.4 73.4 74.6 14.5 74.7 14. 17,4 6 [25 601 72.1 74.7 75.3 77.3 17.3 77.4 11.4 11.4 : 7.4 77.4 16.6 76.3 76.6 78.; 79.3 78.8 82.3 82.6 72.6 B^. B 79.6 74.6 20001 73.0 15.9 76.9 78 . J 79.6 72.6 79.5 19. 3 19.4 18001 73.7 76.7 75.8 67.¥ 61.4 6 E 79.5 83.7 63.2 #0.F 77.8 79.0 e J . 6 57.0 15001 75.4 61.4 61.5 81.6 A 3 . 1 44.3 P 2 . 1 e7.1 47.7 87.0 27.3 47.9 47.4 H 7 . . 10001 60-1 88.6 90.5 90.9 89.3 70.7 71.7 97.1 91.1 97.4 91.1 64.2 85.5 5 7 . 7 64 . 2 ¥7.3 90.. 72.6 72.4 65 P7.1 67.7 A + . . ? 30.0 4..1 40.1 9501 81.0 85.4 97.5 67.0 91.7 92.1 GE PB.3 13.5 21.0 GE AGCI #1.3 P5.9 87.4 58.0 69.7 90.4 84.7 ¢1.6 52.3 9.7.4 23.0 23.0 51.3 91.3 (, ; 7001 al.8 6001 52.0 36.7 97.0 HP . 2 49.6 92.6 91.7 92.4 92.6 43.2 23. 1 31.3 91.4 44.5 . 4 . . 88.6 93.8 93.7 94.4 96.9 A5 . 4 42.6 91.6 92.7 92.1 5001 F7.2 97.7 89.2 91.7 92.8 93.4 95.1 93.1 4001 H2.4 3001 82.4 94.0 υE 48.0 97.0 91.4 94.9 95.3 45.3 96.4 97.0 97.0 97.6 98.6 57.6 44.1 46.1 98.C LΕ 91.4 92.8 94.2 95.2 97.0 5.82 38.6 99.1 5 + 4 1 2001 82.4 1001 82.4 95.3 48.0 98.0 99.0 99.2 49.5 94.5 90.0 45.4 99.1 91.4 92.1 42.6 94.3 95.3 27.3 98.5 99.0 99.1 40.0 36.

94.3 75.3

45.4

97.3

29.3

29.1

98.1

99.1 99.7 11....

TOTAL NUMBER OF ORSERVATIONS:

93.0

99.0

91.4 92.7 92.6

01 82.4

SE

PERCENTAGE FRENCENCY OF OCCUPRENCE OF CFILING VEHSUS VICIBILITY FROM FOURLY OBSERVATIONS.

STATION NUMPER: 7		•								PECTOD OF FECURD: 17-8A MONTH: NOV — HOURS(ESTI) — EEL						
CFILING		• • • • • •	• • • • • • •			1210	* * * * * * * * * * * * * * * * * * *	IN STATE	1 Tr. M.L	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • • • • •	
1, 1 1	6[f, f	1,4	f. F	6.5	n t	61.11.4	in state	5E 11	n n	0.6	5.6	L, T		1,5	
- FÉÉT ်နိုင	t.				2 11.				1		. / .	i/s	/16	1/4	2	
**,																
NO CELL 1 49.5	. 3	57.4	٠,٠٠	57.M	5 · • ·	53.7	11.5	51.7	1.1	51.1	1.1	-1.1	· 1 • 1	51 • 1	· i • •	
GF 200001 54.4	5.5.4	5 C . E	55.∀	56		56.1	56.3	54. 1	° 6 . 4	4		4,4, , 4	66.6	٠ ١		
GE 100001 54.6	: 5 • t	5	56.1	56.5	5 4 6 3	SE.4	64.5	51.5	* t . t	51.6	Char	66.6	C+ . 1	4 7	4 + 4 7	
6E 165001 54.7	15.7	55.4	Et • 6	56.4	10.4	54.0	5.b • f	36.6	* 6 . 7	9.4.	64 7	5h . 7	F 10 . 7	S		
	5.1	5 t . '	E. L L	51	11.5	47.3	5.7 . 1	5 7 . 1	57.2	52.2	6.7	57.2	17.3		* 7. *	
01 127001 57.4	5,644	5 A . 7		54.3	55, 3	59.1	4.4	54.4	· • • ·	54.5	56.5	59.1	· + • +	54.4		
is aunual ecus	£1.7	6.7.	62.5	12.6	* t	1.2.7	12.4	63.4	6.7.6	6 2 . 2	6.4	6.7.9			. t	
	. 2.6	62.4	63.2	t 1. c	63.5	5 t .t.	4. 6. 0	0 / . 4	13.6	6	6.8.5	5.3	12.4	17.4		
of 60001 62.4	64.3	64.6	65.1	65.5		51.7	65.	0 . 0	66.0	uf. 1	66.3	66.0	66.1	66.1	11.1	
DF 77001 64.1	·, ·, ·,	66.1	ht . t	67.4	+ 1, 0	67	67.4	67.4	17.4	67.4	51.5	67.6	47.	6.7.1		
ur 6"331 ε4.6	. 5	66.6	67.J	67.5	+ 7.5	67.7	67.5	67.4	68.3	64.7	64.5	63.3	* * . 1	· · · 1	1701	
OF Shoot Chie	67.2	67.4	64	4. A _ 7	4 7	69."	69	64.5	44.3	64.1	14.3	6.3.4	4 4 . 4	19.4		
	AB.C	67.	6 6	73.1	72	17.5	In. I	10.1	*C • •	70.1	17.4	71.7	71.3	71.	11.1	
•	, 9	69.4	74	11.:	71.5	71.	71.6	71.5	71.8	71.	71.9	71.9	71.,	17.0	*. • •	
of 35 Up) (F. 2	13.3	10.5	1.4	72.1	71	12.4	72.7	13.1	72.4	7	73.9	13.0	11.0	11.0	***	
6E 31001 69.7	11.7	71.8	1	13.1	"…	11.5	73.A	7 5 . 3	74.0	74.1	74.1	74.2	***	74.2		
of 25 of 75.8	, , ,	77.6	74.4	75.1	****	75.6	70.00	76.0	76.4	11.0	26.3	76.3	76.1	71. 1	****	
ut 20031 72.2	14.7	15.1	71	17.	17.1	77.6	78.	74. 1	74	70.7	78.4	74.4	74.4	74.4	14.5	
UE IRUDA ZELO		76.4	77.4	74.4	· • • •	74.7	19.1	14.2	79.4	19.5	19.5	19.6	74.6	19.1	74.7	
0 € 15 63↓ 75.0	' H . 1	74	10.0	67.4	-1.1	-1.6	42.1	60.2	42.5	62.7	a 2 . 7	47.4	9.5	6.7		
GF 17001 77.6	44.5	4	- 5 . 5	54.4	44.5		# 5 . #	84	# t + 2	H. C. A.	×6+4	86.5	65.0	- to . to	r tr . 7	
→E 1002 79.0	41.0	n 4	96.2	+4. 7	me . t.	A7	-1.+	e7.3	84.5	44.6	4 A . 6	HQ . 7	R H . 7	50.6	u	
SE 9301 79.5	-4.1	a c . 4	86.4	47.4	· 7. 7	40.0	99.1	86	49.7	97.7	90.0	93.2	9).:	40.1	43.4	
66 FC01 61.3	44.6	n 6 , 1	67.1	F 4 . 4	* o • 5	HQ.4	90.1	43.2	93.7	91.0	41.1	91.3	91.4	71.4	51.7	
6E 7631 85.9	or sile to	B 7	HH	F 7 . 5	-4.1	¥η.:	21.	91.1	91.6	43.	92.3	42.6	9.1.6	7	5.2	
or essient	°6`	A 7.7	A	40.4	*(.6	-1.4	63.2	10.1	97.4	, , , 4	93.5	23.9	91.5	4 4, 9	C4.1	
WE FEST ALL	46.4	на 👣	77.7	¥1.4	.1.6	42.6	41.0	97.7	94.4	91.1	98.2	y () . (,	91.6	, 5, 7	45.4	
	*	8 A . 7	40.4	Y	** * *	45.4	,,,,	14.5	96.0	16.3	96.4	96.7	c6.+	9 * . C	97.1	
6f 3001 61.8	1.2	83.	14.5	4. · · ·	** • F	14.5	95.1	* 1 . 7	56	97.	\$7.3	97.A	76.5	A 8 . 5	44.5	
	- 7 - 2	97.1	57	42.7	3 .	94.2	91.	y 6 . s.	36 . F	47.8	47.4	¥# • 3	9 4 € 6	, a . F	94.4	
6f 1071 A1.P	37.L	86.1	96.7	43.4	53 . (¥ 4	يه چڼال	** • 6	36.8	47.5	98.6	¥#.5	94.5	99.1	99.8	
GE 1 61.8	17.	67.;	43.1	٠	93.0	94.2	95.4	95.6	46.5	97,7	98	4.RP	98.¥	-	1^C•U	

PERCENTAGE FREQUENCY OF OCCUMPENCE OF CFILING VEHICLS VISIBILITY FROM HOUGLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFR NO										PERTON OF FECORDS 77-86 MONTH: DEC — HOURSELSTI: 6060-0200							
CELLING VISIPILITY IN STATUTE MILES																	
r _i	· 1	6E 10	GE C	G E	٥٤ 4		61 2 1/2	6 E 2	6r 1 1/2	GE 1 1/4	6 E 1	5£ 3/4	υ† 5 / 6	56 173	ut 1/16	'-E 174	i, r
	CEIL I		51.4	51.9	52.2	52.7	52.7	53.1	53.3	53.3	53.4	57.4	53.4	53.7	r _{y+} ;	54.0	54.1
G E L F	200001 180001 180001 140001	54.4	55.4 55.7 55.7 56.0	55.6 55.6 55.6 56.1	55.7 56.0 56.0 56.3	56.2 56.6 56.6 56.6	56.2 56.6 56.6 56.9	56.7 57.0 57.3 57.3	56.9 57.2 57.2 57.5	56.4 57.2 57.2 57.5	57+0 57+3 67+3 67+6	57.0 57.1 57.7 57.5	57.8 57.8 57.3 57.6	57.5 57.5 57.5 57.8	67.5 67.8 67.8 68.2	67,4 67.6 57.8 54.2	17.0 18.0 18.0 50.3
6 E	120001	55.6	46.9	57.5	51.2	57.7	5.74.7	59,2	58.4	55.4	58.5	5 P . S	54.5	59.7	59.0	54,0	54.1
5 E 6 E 6 E 6 E	100001 90001 10001 70001 60001	59.8 67.9 64.6	59.2 60.3 64.6 65.6 67.3	59.4 50.5 64.9 66.9 57.6	59.6 60.8 65.2 £7.1 67.8	61.3 65.7 67.6 69.4	60.1 61.3 65.7 67.6 68.4	63.5 61.7 66.1 68.1 68.8	60.8 61.9 66.3 68.3 69.0	63.9 61.9 66.3 68.3 69.3	62.7 66.6 68.7 69.5	61.0 62.7 66.6 68.7 69.5	61.0 62.2 66.6 68.7 69.5	51.2 52.4 55.9 69.9	61.5 62.7 67.1 69.2 70.0	61.5 62.7 67.1 69.2 77.0	61.6 62.0 67.2 69.4 78.1
5.E 5.E 6.E 6.E	50001 45001 45001 35001 30001	67.3 68.6 69.9	69.4 69.6 10.9 72.6 73.8	69.6 69.9 71.3 73.0 74.4	69 + 8 70 + 2 71 + 7 73 + 4 75 + 2	70.4 73.9 72.5 74.2 76.5	70.4 70.9 72.5 74.2 76.0	70.9 71.4 73.0 74.7 76.6	71.2 71.7 73.3 75.1 76.9	71.7 71.7 73.3 75.2	71.6 72.2 73.6 75.7	71.6 77.2 77.4 76.7 77.5	71.6 72.2 73.6 75.7 77.5	71.8 12.4 74.7 75.9 77.7	72.2 72.7 74.3 76.2 76.1	77.2 77.7 74.3 76.2 78.1	72.5 72.6 14.4 14.1 14.1
6 E 6 E 6 E 6 E	25001 25001 18001 15001	71.7 73.8 75.2	75+1 17+1 77+6 79+6 30+8	75.9 78.1 79.8 87.5 81.9	76.7 79.6 79.6 Pl.e H2.7	77.7 80.0 80.4 83.1 84.4	7A.1 HC.4 F1.2 H3.5 P4.8	79.0 81.4 82.2 85.1 86.5	79.6 82.0 82.6 85.8 87.3	19.1 62.2 62.9 85.9 87.4	PT.4 F2.9 R3.7 86.4 R8.4	87.4 87.7 84.4 88.4	83.4 82.5 83.7 85.6 88.4	83.1 83.1 83.9 57.1 88.7	91.0 83.4 64.2 97.4 89.0	61.0 61.4 64.2 67.4 89.0	+1.1 +3.5 +4.7 +7.5 +9.1
0 f 6 f 6 f 6 f	1000 900 800 800 700 600	76.6 76.6 77.7	91.5 41.6 82.2 82.6 93.0	82.6 87.7 53.2 83.9 84.1	83.4 63.9 84.4 65.1 85.3	85.3 85.3 86.3 87.3 87.3	#5.# #6.5 -7.6 -1.6	87.5 88.9 89.5 89.9	AB.5 AD.2 AJ.9 9D.5 91.7	88.6 89.4 90.0 97.6 91.1	90.4 91.1 91.6 92.4	85.6 90.5 91.4 97.7 97.7	93.5 93.5 91.4 92.3 92.8	90.1 91.1 91.9 92.8 93.7	93.5 91.5 92.4 95.2 93.8	+0.6 41.5 97.4 43.3 93.9	95.4 91.6 92.5 93.4 94.3
6 F 6 F 6 F		77.6 77.6 77.7 77.7	43.7 43.9 44.2 84.3 44.3	84.7 85.8 85.6 85.7 85.7	A6.0 A6.0 A6.9 A7.0 A7.0	88.4 88.7 89.5 89.6	8 +	91.0 91.6 92.3 92.5 92.5	92.3 92.4 93.4 94.2 94.2	97.4 97.7 94.1 94.4 94.4	03.F 74.L CC.Y QE.7 76.7	94.7 94.7 94.7 97.4 97.5	94.3 95.1 96.5 97.5 97.6	94.8 95.6 97.1 98.3	95.3 96.0 97.5 98.8 98.9	96.4 96.7 97.7 99.4 99.6	95.5 90.3 97.8 99.6 100.0
51	91	77.7	94.3	85.7	A7.3	89.6	44. 1	92.5	94.2	+4.4	36.7	97.4	47.6	98.4	94.9	40.6	100.0

PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PEPIDD OF PECORD: 77-HE MONTH: DEC HOURS(EST): 0300-0500

96.5

97.4

98.2

98.2

99.1

99.6

99.5

04.0

99.9

94 . 7

94.9

STATION NUMBER: 727675 STATION NAME: MINOT AFB ND

VISIPILITY IN STATUTE MILES CEILING IN | GE FEET | 10 G€ b G € 5, GE 65 3 2 1/2 GE GE GE 2 1 1/2 1 1/4 GE 6 E 5 / n 6E 1/2 6£ 5E 174 7/4 1 NO CETE 1 12.3 54.3 54.3 54.5 54.9 • 5 . 1 53.0 53.2 15.5 17.3 GE 200001 53.9 54.5 56 • 3 56.0 56.2 56.7 GE 180001 54.2 GE 160001 54.2 GE 140001 54.2 57.0 57.0 57.0 57.2 57.2 57.2 55.2 56 • 3 54.9 55.3 56.3 56.6 56.7 56.7 57.0 57.0 57.0 6.7.1 17.3 57.0 57.0 57.0 57.0 54.9 55.3 55.3 56.3 56.3 56.7 56.7 56.7 57.0 57.0 57.1 56.3 56.6 56.6 56.7 17.3 ا م 68 120001 55.5 58.3 54.1 56.2 56.5 50.6 57.6 57.6 57.8 58.0 58.0 EB . 3 54.4 GE 100001 57-8 58.6 58.9 59.0 60.1 67.3 60.4 60.5 1.7.4 + 3 . A 11.4 + 1 - 1 66. 1 63.4 60.6 51.7 61.5 1.2 97001 58.4 54.5 59.8 54. + 61.6 61.6 61.9 64.4 63.6 65.4 41.7 61.0 61.0 61.2 63.8 e- 2 - 5 5 E 6 E 8mgg| 63.5 7003| 62.2 61.9 64.9 63.4 63.4 65.1 63.8 65.4 61.6 62.0 63.1 63.1 64.5 65.4 63 • 7 64 . 7 64.7 67001 63.5 66.0 69.1 77.6 17.0 17.2 6 + . 4 70 - 9 77 - 3 73 - 4 Ģ € 50001 64.F 66.2 66.7 67.2 64.5 68.5 6ª.7 68.8 L.A. A 49.1 69.1 67.1 1.4.2 4.4. 73.6 71.8 70.8 72.2 73.3 45001 66.0 40001 66.6 35001 67.2 60.7 69.5 72.5 70.2 71.4 73.6 73.8 73.2 73.6 72.9 73.2 67.6 75. C 73.3 G E 69.1 70.0 73.3 71. . 69.8 71.5 72.4 71.5 71.5 (F f. H. 9 69.7 72.0 72.0 74.1 72.6 72.6 73.0 15.7 GE 71.2 75 . 2 78.2 60.8 91.4 12.5 73.2 77.3 77.4 78.C 25001 70.3 74.5 76.5 16.€ 77.4 6 E 6 5 20001 71.7 18001 71.8 15001 72.7 74.2 75.2 75.6 79. C 79.9 93.0 95.6 89.1 90.5 91.2 87.8 81.4 87.4 83.4 83.4 AJ.4 A1.5 A3.5 F 1 - 1 76 • 5 79.8 01.0 61.6 61.7 65.9 G€ 79.5 61.7 76.7 79.7 90.5 00.6 82.5 81.3 81,2 82.3 92.5 78.2 Ft. t, f 12631 74.1 78.5 79.4 62.5 95.7 95.7 64.5 10001 74.5 9001 75.4 9001 75.7 A7.0 A7.4 97.5 H7.6 67.7 78.C 79.1 90.5 A 1. 7 04.1 95.4 95.9 85.9 P6 . 6 Ьŧ 80.2 80.8 81.7 45.4 46.3 P7.F 88.7 AA . 7 69.5 93.8 99.7 F 9 . 9 81.6 82.5 85 • 1 86 • 3 86.7 87.6 97.1 89.E 91.C 79.0 67.1 88.1 88.9 68.4 64.4 87.9 91.7 (, f 77.6 es. 1 90.0 90.4 7601 76.2 Úι 40.1 63.5 86.6 46.9 27.2 88.7 58.5 91.0 91.4 91.4 42.0 92.2 86.9 5001 76.9 91.1 02.5 94.4 e 3 • 5 46.6 90.4 91.4 91.6 92.5 94.1 94.1 95.1 45.2 95.3 83.1 63.4 87.4 92.5 OF 4:01 77.4 31.6 P4.7 89.2 89.6 84.4 89.9 91.3 92.3 93.5 93.7 94.0 94.5 75.9 95.4 96.0 97.3 96.1 97.4 3001 77.7 A5.4 96.8 94.5

93.0

93.2

93.4

TOTAL NUMBER OF URSERVATIONS:

A 2 . 0

F 2 . 2

A 3 . 5

33.5

80.6

69. h

96.1

90.1

91.7

45.4

95.5

85.5

6.5

2001 77.7 1001 77.8

PERCENTAGE FREQUENCY OF OCCUPPENCE OF CFILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

	VD FERIOD OF RECORD: 77-56 MONTH: DEC HOURS(LST): GAUG-GAGG									
CEILING VISIBILITY IN STATUTE MILLS	,									
IN GE GE GE GE GE GE GE GE	GE GE GE SE GF									
FEET 1 10 6 5 4 5 2 1/2 2 1 1/2 1 1/4 1	₹/4 5/8 1/2 5/16 1/4 0									

NO CEIL 1 51.2 52.6 53.3 53.5 54.6 54.6 54.7 54.9 54.9 55.7	55.9 55.9 56.2 56.3 56.3 56.6									
GE 20000 53.2 54.6 55.5 55.7 56.5 56.8 56.9 57.1 57.1 57.8	58.1 59.1 58.4 F8.5 58.5 F8.7									
GE 180001 53.4 54.8 55.7 55.9 57.0 57.0 57.1 57.3 57.3 58.1	58.3 58.3 58.6 58.7 58.7 16.4									
GF 16 00 53.4 54.8 55.7 55.9 57.0 57.0 57.1 57.3 57.7 59.1	58.7 58.3 58.6 58.7 59.7 F.4									
GE 140001 53.7 55.1 55.9 56.1 57.2 57.2 57.3 57.5 57.5 58.3	59.5 58.5 58.9 58.9 59.5 19.1									
GE 120001 54.6 56.0 56.9 57.1 58.2 58.2 58.3 58.5 58.5 59.2	50.5 59.6 59.9 60.0 60.0 6c.2									
GE 100001 57.1 58.6 59.5 59.7 60.8 60.8 60.9 61.1 61.1 61.8	62.0 62.2 62.5 62.6 62.6 62.8									
GE 90001 58.1 59.9 60.5 61.1 62.2 62.2 62.3 62.5 62.5 63.2	67.4 63.5 63.9 64.5 64.0 64.2									
GE 80001 60.4 62.4 63.2 63.5 64.7 64.7 64.8 65.1 65.E	66.1 66.2 66.6 46.7 66.7 66.4									
GE 7°C01 61.7 63.2 64.1 64.4 65.6 65.6 65.9 65.9 65.7	67.7 67.1 67.4 67.5 67.5 67.7									
GE 6000 62.0 (4.2 65.3 65.7 66.9 66.9 67.0 67.2 67.2 68.E	69.3 68.4 68.7 Fd.d 68.8 69.J									
GE 5000 63.8 56.1 67.3 67.7 68.9 68.9 69.0 69.2 69.2 70.0	70.4 70.5 70.9 71.0 71.0 71.2									
68 4500 65.2 67.7 69.1 69.7 70.9 70.9 71.0 71.3 71.3 72.0	77.5 72.6 72.9 73.3 77.0 73.2									
GE 47001 65.6 58.3 69.9 70.0 72.0 72.0 72.2 72.5 72.5 73.4	74.1 74.2 74.5 74.6 74.6 74.6									
GE 35001 66.0 68.6 70.6 71.4 72.9 72.9 73.1 73.4 73.4 74.4	75.1 75.2 75.5 75.6 75.6 75.6									
SE 30001 66.9 69.7 71.5 72.5 74.0 74.0 74.2 74.5 74.5 75.5	76.1 76.2 76.6 76.7 76.7 76.9									
GE 25001 67.4 70.6 72.1 73.7 75.4 75.4 75.6 75.9 75.9 76.9	77.5 77.6 78.0 78.1 78.1 78.3									
GE 20001 68.5 71.9 73.4 74.6 76.7 76.1 77.0 77.3 77.3 78.4	79.3 79.1 79.5 79.6 79.6 79.6									
UF 18001 69.1 72.6 74.5 75.5 77.4 77.4 77.9 78.2 78.2 79.2	79.9 80.0 80.3 PO.4 80.4 FC.6									
GE 1500 70.6 74.5 76.8 77.8 80.1 80.2 80.8 81.1 81.1 82.2	87.8 82.9 83.2 93.3 83.3 93.5									
66 12061 71.7 25.5 77.8 76.9 61.5 F1.8 82.6 83.0 83.0 64.2	84.8 84.9 85.5 F5.0 d5.6 F5.8									
UE 10001 72.6 76.9 79.2 90.3 83.1 85.4 94.5 85.2 85.2 86.5	87.1 87.2 87.7 97.8 87.8 FF.1									
6E 9001 77.0 77.3 79.7 90.8 83.7 84.0 85.1 85.7 85.7 87.1	8P.2 98.3 88.9 P9.3 59.3 R9.2									
UE 900 73.4 78.0 80.4 81.5 84.6 84.9 86.3 87.0 87.0 88.4	80.5 89.6 90.2 00.3 97.4 90.9									
GC 7091 77.8 78.3 80.8 81.8 85.2 35.6 87.2 08.0 88.0 99.4	90.5 90.6 91.3 91.4 91.5 91.4									
68 688 74.0 79.2 81,5 82.6 86.3 86.5 88.2 89.1 69.1 90.6	91.9 92.0 92.7 92.8 92.9 93.3									
65 5001 74.6 FD.3 82.8 84.1 87.6 FB.1 89.9 91.3 91.3 92.8	94.2 94.4 95.1 95.3 95.4 95.8									
UE 4001 75.2 91.0 83.7 84.9 68.5 46.9 90.8 92.2 92.2 93.7	98.1 95.3 95.9 96.1 96.2 96.7									
GE 3001 75.3 81.2 84.1 65.4 89.3 89.5 91.3 92.7 92.7 94.3	95.8 96.0 96.3 97.3 97.4 97.8									
SE 2301 75.3 F1.2 84.1 85.4 89.0 89.5 91.3 92.7 92.7 94.6	96.5 96.7 97.5 97.8 98.6 99.5									
GE 1331 75.3 A1.2 84.1 85.4 89.3 99.5 91.3 92.7 92.7 94.6	96.7 96.9 97.7 98.1 98.9 99.8									
UF 01 75.3 81.2 84.1 85.4 89.0 89.5 91.3 92.7 92.7 94.6										

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: HINOT AF3 NU										MONTH	: DEC	0RD: 77-6# HOURS(LST): 09-7-1100				
CFILING		• • • • • • •				7 2 T V	BILITY	IN STATE	ITE MIL	r c		• • • • • • •	• • • • • •	• • • • • • •		
IN 1 GE FEET 1 1	.C 6	σ£ 5	GE 4		GE 2 1/4	G E 2	GE 1 1/2	GE 1 1/4	GE 1	6£ 7/4	G E 5 / 8	175 66	e \ 10 PE	GE 174	GE G	
	• • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • •			• • • • • • •	• • • • • • •		• • • • • • •	• • • • • • •		• • • • • •	• • • • • • •		
NO CEIL 1 46.	Z 49.0	50.2	50.9	51.5	1.7	51.9	51.5	51.9	r 2 • 3	57, 1	52.4	52.6	12.7	57.8	C = 4	
GE 200001 48.	4 1.2	52.5	53.1	53.4	54.0	54.2	54.3	54. 3	4.€	54.6	54.7	54.9	55 • 1	55.2	65.3	
GE 180001 49.	2 52.0	53.3	54.0	54.6	54•€	55.1	55.2	55.2	55.5	55.5	44.0	55.8	c 5 . 3	56.0	6.1	
GE 167031 49.	2 52.0	53.3	54.0	54.6	54.8	55.1	55.2	55.2	55.5	55.5	95.5	55.9	°5.9	54.0	56.1	
GE 140001 50.	.0 52.8	54.1	54.7	55.4	55.6	55.8	55.9	55.4	56.2	56.02	50.3	55.6	56.7	56.9	56.9	
GE 120001 51.	5 3 • 9	55.2	55 • ₹	56.5	£ 6 . 7	56.9	57.6	57.0	57.3	57.7	57.4	57.6	r 1 • 1	57.P	£.6.0	
GE 100001 54.	F 58_4	59.7	6C.3	61.0	61.2	61.6	61.7	61.7	52.C	67.7	62.2	62.4	62.5	62.6	62.7	
GE 90001 56.		61.4	62.0	62.7	62.9	6 * . 3	63.4	63.4	63.8	65.4	63.9	64.1	64.2	64.3	F4.4	
DE 60001 59.		64.4	65.2	65.8	6t. C	66.5	66.6	66.5	66.9	66.9	67.1	67.4	67.5	67.6	67.7	
GE 70001 60.	C 64.0	65.4	66.2	67.1	€7.3	67.7	67.8	67.4	44.5	b P -	68.4	68.7	68.8	64.9	14.0	
SE 60001 60.	1 64.1	65.6	66 • 5	67.3	€7.5	68.0	64.1	68.1	69.4	69.4	68 • €	63.9	69.3	69.1	69.2	
SE 50001 61.	6 - 65.6	67.1	66.5	69.3	69.2	69.7	69.8	69.9	70,1	10.2	70.4	72.8	75.9	71.0	71.1	
GE 45001 63.		69.1	70.3	71.1	71.3	71.7	71.6	71.8	72.3	72.4	72.6	72.9	*3.g	7 7 . 1	73.2	
GE 40001 63		69.7	70.5	71.7	71.5	72.4	72.7	72.7	73.1	77.2	73.4	73.9	73.9	74.D	74.1	
6E 35001 63.	9 69.1	70.4	71.4	72.7	72.9	73.4	73.8	73. R	74.	74.2	74.5	74.8	74.9	75.1	75.2	
GE 30001 64.		71.5	72.6	74.0	74.2	74.8	75.2	75.2	75.6	75,7	75.9	76.2	76.3	76.5	76.6	
SE 25001 65.	4 70.1	72.7	74.5	75.5	75.7	76.5	76 . 8	76.9	11.2	77.2	77.5	77.9	78.3	78.1	75.2	
66 10001 66.	2 71.2	74.0	75.4	77.2	77.4	18.3	73.6	79.6	19.0	77.1	79.4	79.7	19.8	79.9	ال و ا	
67 18601 66.		74.5	75.9	77.7	76.0	78.8	79.1	79.1	79.6	79.7	71.9	93.2	90.3	87.4	90.5	
GE 15301 68.	4 73.6	76.9	78.3	60.4	80	81.7	82 • U	82.7	92.5	87.6	82.8	93.1	63.2	63.3	~ 3 • 4	
65 12001 E3	F 75.5	7 A . 6	80.1	82.7	я 3. і	84.3	84.7	84.0	95.5	8 € • 9	P6.0	66.6	°€.7	66.9	47.3	
65 laggi 73.	2 75.9	79.5	90.9	83.3	P 3_ 6	84.9	85.4	H5.6	F6.2	86.6	86.8	87.6	97.7	89.0	F6.1	
GF 9001 70.	4 76.2	77.4	61.1	83.9	84.3	85.5	86.1	36.7	07.2	87.6	P 7 . B	58.7	° н . н	e 6 • C	49.1	
68 8001 70.	· 76.6	80.0	81.8	54.7	P5.3	86.5	87.2	87.4	4 . 4	89.0	89.2	93.1	90.2	45.6	9 U. A	
GE 7001 75.	P 77.2	87.5	42.7	85.7	P 6 . 2	87.6	88.6	8 d • A	ag.H	90.5	93.5	91.9	72.2	4. A	92.9	
GE 6201 71.	. 77.€	81.1	A3.3	86.3	R6 • 9	88.4	89.5	59.7	3.00	91.4	91.6	93.1	03.5	94.7	94.3	
GE 5001 71	C 78.J	81.5	83.9	86.9	87.6	89.2	90.3	47.5	21.7	42.5	92.7	94.2	24.6	45. t	45.4	
6E 4001 71.	1 78.2	81.9	P4.3	87.4	86.3	97.1	91.2	91.4	92.6	91.4	73,7	75.3	95.7	56.3	96.5	
68 3001 71.	1 78.2	52.2	84.5	E7.6	86.5	90.5	91.7	92.0	93.2	94.3	94.5	16.5	96.9	~ 7.6	97.7	
GF 2001 71.	1 78.2	92.2	84 6	87.1	88+6	90.6	91.9	92.2	93.5	94.9	95.3	97.1	97.7	43.7	94.7	
6E 1001 71.	1 78.2	82.2	84.5	87.7	88.6	90.6	91.8	12.2	95.5	94.9	64.3	97.2	¢7.3	49.1	6 G . Y	
6E 01 71	1 78.2	82.2	64.6	67.7	a8•6	90.6	91.8	92.2	93.5	94.9	94.3	47.2	97.A	·9.1	100.0	

$\text{Pt} \cdots \text{INTAGE}$ FREQUENCY OF OCCURPENCE OF CEILING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

						-		OT AFB N.					MONTH		HOURS	(LST):		
	LING	• • •	• • • • •	• • • • • •	• • • • • • •	• • • • • • •		• • • • • • •			IN STATE			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •
1	N		G€	ĿΕ	GΕ	GF	GŁ	GΞ	GE	Gr.	GE	GE	ſ∙ L	58	GE	GE	SE	GF.
	ET		; r		5	4		2 1/2		1 1/2			?/4	5/8	1/2	5/16	1/4	
			47.7	51.2	52.0	52.7	53.5	53.5	54.7	54.4	54.5	54.5	59.2	55.2	55.2	45.4	55.7	5.8
	_									-						_		
			51.0	55.2	56.5	57 • 2	58.2	5e.3	58.7	59.2	59.4	59.8	60.D	60.0	60.0	60.2	60.5	60.6
			51.2	55.4	56 • 7	57.4	59.4	58.5	58.9	59.5	59.6	63.0	60.2	67.2	67.2	65.4	6g.8	66.9
			51.2	55.4	56.7	57.4	59.4	58 • 5	58.9	59.5	59.6	60.0	62.2	60.2	60.2	60.4	60.8	60.9
			51.2	55.4	56.7	57 • 4	58.4	56.5	59.9	59.5	59.6	60.0	60.2	60.7	60.2	69.4	6C.8	€ C • y
J E	1200	o 1	53.0	57.2	58.5	59	60.2	60.3	60.8	61.3	61.4	51.8	62.0	62.0	62.0	62.3	62.6	t 2 • 7
úΕ	1000	a l	57.2	61.7	63.0	63.8	64.7	64.8	65.3	65.8	65.9	66.3	66.6	66.6	66.6	66.8	67.1	67.2
νE	900	٥I	58.3	63.1	64.4	65.2	66 • 1	66.2	66.7	67.2	67.3	67.7	69.0	68 . C	69.3	68.2	68.5	68.6
3 €	850	0	60.6	€5.6	b7.1	68.2	69.1	69.2	69.7	70.2	75.3	71.0	71.2	71.2	71.2	71.4	71.7	71.8
įΕ	7 C D	01	62.P	67.7	69.2	70 - 3	71.3	71.4	71.8	72.4	72.5	73.2	73.4	73.4	73.4	73.7	74.0	74.1
. E	PC 0:	0	6 7 • 1	68.3	69.6	76.9	71.8	71.9	72.4	72.9	73.0	73.8	74.7	74.5	74.0	74.2	74.5	74.6
Ę	500	i i	64.2	69.5	71.0	72 • C	73.0	72.1	73.5	74.1	14.2	74.9	75.2	75.2	75.2	75.4	75.7	75.8
ı F			64.7	73.1	71.8	72.9	74.3	74.1	74.7	75.4	75.5	76.2	76.5	76.5	76.5	76.7	77.0	77.1
, F			64.P	70.4	72.3	73.4	74.0	74.7	75.5	76.1	76.2	77.0	77.2	77.2	77.2	77.4	77.7	77.8
, E			65. 3	73.9	12.7	74.6	75.2	75.3	76.0	76.7	76 . 8	77.5	77.7	77.7	77.7	76.3	79.3	7c.4
J .			66.3	72.3	74.3	75 . 6	76.9	77.0	77.7	78.6	18.7	79.7	77.9	79.9	79.9	°C • 1	60.4	۶0.5
5.5	24.0	าไ	66.7	73.1	75.6	77.1	78.7	7 b . b	19.7	80.9	81.7	F1.9	87.2	92.2	82.2	92.4	52.7	55
έ			67.2	74.1	76.6	76 • 5	63.3	40.2	61.1	92.3	82.4	93.3	83.8	83.8	83.9	84.1	84.4	84.5
ı E			67.6	74.0	77.3	79.0	87.5	61.0	81.8	83.0	83.1	54.1	84.5	84.5	84.6	94.8	85.2	85.3
5 E			69.8	76.3	78.8	80.5	82.9	63.1	84.1	85. 3	85.4	P6 • 3	86.9	86.9	87.1	R7.3	67.6	F7.7
Ē			69.7	77.8	8 C • 6	82.8	85.1	65.5	85.6	80.3	08.4	A9.6	90.4	90.4	20.6	93.9	91.2	91.3
. E	t c	9.1	70.1	75.3	81.2	63.3	85.6	86.G	87.1	88.8	88.9	90.1	91.1	91.1	91.3	71.5	91.8	91.4
ιE			77.2	78.4	91.5	83.7	€6.5	R6.5	87.6	89.4	49.6	90.8	91.7	91.7	91.9	92.3	42.6	92.7
5.5			71.2	78.6	81.7	84 . 1	86.5	E6.9	86.7	89.9	40.1	91.3	92.4	92.4	92.6	93.0	93.4	93.5
ιĒ			70.5	73.9	82.0	84.4	86.8	87.2	88.5	93.2	90.4	91.7	97.0	92.8	93.0	73.4	93.9	94.1
5 E		-	71.1	+0.1	83.2	85.8	88.2	50.6	93.3	91.7	91.0	93.2	94.3	94.3	94.5	94.9	96.4	95.1
3 E	5.5	o i	71.2	90.6	83.8	A6.3	a 8 • 7	89.1	90.6	92.5	92.1	94 • C	95.2	95.2	95.4	95.8	95.2	96.6
, E			71.2	P () - 8	83.9	R6.0	67.0	59.6	91.3	93.1	93.4	34.9	96.2	96.2	96.7	97.1	97.5	97.6
, r.			71.2	9 3 . 9	84.0	86.7	89.2	97.0 87.8	91.5	93.4	93.4	95.5	96.7	96.8	97.2	97.6	98.1	98.4
, F			71.2	4 3 · Y	84.0	86.7	89.2	89.8	91.5	93.4	93.9	95.6	97.0	97.0	97.5	97.0	98.5	95.9
F			71.7	25.9	84.6	86.7	89.2	39.8	91.5	93.4	93.A	75.6	97.0	97.0	97.5	c8.1	99.0	100.0
r, F		۰.		10.0	0.6. (
-		-	71.7	47.9	84.5	86.7	89.2	64.0	91.5	93.4	93.4	95.0	97.0	97.0	97.5	98.1	99.0	100.0

TOTAL NUMBER OF ORSERVATIONS: 930

PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM FOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFB NO

PERIOD OF RECOPD: 77-86 MONTH: DEC HOURS(LST): 1500-1700 VISIBILITY IN STATUTE MILES CEILING G E 5 GE 6E 3 2 1/2 GE GE GE 2 1 1/2 1 1/4 GE GE G F GE GE ٥٤ 0 FEET 1 10 6 5/8 1 1/4 1/2 5/16 NO CEIL | 48.6 50.9 52.3 52.3 52 · B 53.1 53.2 GE 200001 53.3 57.7 57.7 58.6 59.7 60.2 60.4 60.8 60.8 61.1 180001 53.8 56.5 57.1 57.4 59.2 58.2 58.7 59.0 59.1 63.1 60.6 60.6 60.9 £1.2 61.2 61.5 59.1 58.7 59.0 61.2 GE 160001 53.F 56.5 56.9 57.1 57.4 53.2 58.2 60.1 60.6 61.2 61.5 59.5 59.6 61.1 58+6 GE 120001 55.8 58.6 59.2 59.6 60.3 60.3 60.9 61.2 61.3 62.3 62.9 62.8 63.0 63.3 63.3 63.7 GE 100001 60.0 63.2 64.1 64.4 65.2 65.2 65.7 66.0 66.1 67.1 67.6 67.6 69.9 67.8 70.1 68 • 2 7_{0 • 4} 73 • 1 68.2 68.5 90001 62.0 80001 63.9 67.4 67.4 69.0 68.3 68.4 69.9 65.3 67.1 66.2 66.6 70.4 76.6 73.4 72 • 0 74 • 2 72.6 74.7 72.8 74.9 GF 69.9 70.0 70.6 71.0 71.1 72.6 73.1 70001 65.4 70.9 75.3 GE 68.8 72.0 72.8 73.1 73.2 75.6 GE 6 E 50001 67.0 70.6 72.0 72.8 73.9 74.0 74.7 75.2 75.3 76.3 76.9 76.9 77.1 77.4 77.4 77.7 4501 67.1 47301 68.2 12.5 13.9 75 • 4 77 • 2 77.5 7º · 1 79 · 9 71.1 73.3 74.5 74.6 75.8 75.9 77.0 77.5 77.7 78.1 7F.4 74.9 76.2 17.7 79.4 76.3 35001 68.6 72.9 74.4 75 . 6 77.1 77.2 79 • 1 79 • 1 78.5 78.6 79.8 60 . C 87.5 80.5 80.8 91.1 91.1 A1.4 81.7 P2.6 78.2 81.9 81.2 81.7 92.3 93.5 80.9 R2.5 93.2 25001 69.7 83.0 R3.0 83.5 43.4 74.3 84.1 GΕ 20001 70.0 74.8 76.5 17.8 8 D . 2 80.3 61.4 81.9 82.2 93.5 84.1 84.3 94.6 64.6 85.8 94.9 os.a 18001 71.1 75.9 81.4 63.3 81.5 83.4 82.6 84.6 P5.3 85.5 G E 77.6 79 . C 83.1 83.3 24.7 46.1 79.1 85.3 6ª•g 8C.8 86.9 87.4 12001 72.6 77.7 80.2 64.8 P5.1 86.5 87.3 87.5 89.8 90.0 92.3 90.3 9 C . 6 G E 10001 77.4 88.7 88.9 91.4 92.2 18.8 81.1 F3.0 86.0 P6. 3 87.P 90.8 91.6 91.6 92.2 9001 73.5 79.4 89.7 91.5 92.5 92.5 92.7 93.0 93.0 93.3 G€ F 7. 1 81.9 86.8 89.6 89.5 83.8 8001 73.5 79.4 91.6 92.8 92.8 93.0 93.3 93.3 93.7 82.7 7001 73.5 79.9 84.6 87.6 88.0 87.5 30.4 90.6 92.5 03.4 93.7 94.3 94.0 94.3 93.6 40.9 A8.1 GE 5001 73.7 80.3 80.5 85.3 91.8 93.9 94.9 95.1 95.3 °5.6 95.6 96.1 90.6 91.6 4ppl 73.7 89.2 91.4 92.4 92.6 96.3 G S 83.7 P5.8 89,6 94.7 96.0 96.1 96.7 96.7 97.2 90.5 98.5 GΕ 3001 73.7 B 3 . 7 85 . 8 99.8 95.4 94.8 96.9 98.C 98.0 200 | 73.7 100 | 73.7 92.9 95.4 91.2 80.5 83.7 95.9 97.8 98.4 96.9 99.7 82.5 89.5 49.€ 95.5 97.0 99.5 8 3 . 7 85 . 8 91.7 92.7 98.2 98.8 97.3 9.80 01 73.7 40.5 99.8 97.3 98.2 98.8 100.0 85.8 91.7 92.7 72.9 95.5

TOTAL NUMBER OF ORSERVATIONS:

PERCENTAGE FREQUENCY OF CCCURRENCE OF CF1LING VFRSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1850-2000

CEILING

VISIBILITY IN STATUTE MILES

									MONTH			([2]):					
CEI	LlnG	• • • • •		• • • • • • •	• • • • • • •		•••••			IN STATE			• • • • • • •	• • • • • •	• • • • • • •		• • • • • • • • • •
	N I	SŁ	GE	вE	GE	GE	GĈ	GE	GE	€ €	GE	Γ, <u>E</u>	G E	GE	GE	GE	ĿΕ
	ET	10		5	4		2 1/2		1 1/2	1 1/4	1	3/4	5/8	1/2	1/16	1/4	O
										• • • • • • • •							•••••••
N O	CEIL I	50∙3	5 2 • C	52.2	52.6	53.3	53.4	53.7	5 3. 7	53.7	54.C	54.1	54.1	54.3	54.3	54.3	64.6
6 8	200001	55.4	57.2	57.3	57.7	58.5	.6.6	58.8	58.8	58.9	59.1	50.2	59.2	59.6	59.6	59.6	59
GE	180051	56.5	58.3	58.4	58.8	59.6	59.7	59.9	59.9	59.9	60.2	67.3	63.3	50.6	60.6	60.6	(1.3
GΕ	160001	56.5	58.3	58.4	58.6	59.6	59.7	59.9	59,9	59.9	60.2	67.3	60.3	69.6	60.6	60.6	61.0
6 E	140001	56.5	58.6	58.7	59.1	59.9	€0.g	60.2	63.2	60.2	60.5	67.6	60.6	61.5	61.3	61.3	61.3
G E	120001	58.7	69.5	60.6	61.1	61.8	61.9	62.2	62.2	62.2	62.5	67.5	62 • 6	62.9	62.9	62.9	€3.2
G E	100001	62.0	64.1	64.2	64.6	65.5	65.6	65.8	65.8	65.A	66.1	64.2	66.2	66.6	66.6	66.6	66.9
GE	90401		65.8	65.9	66 • 5	67.3	67.4	67.6	67.6	67.6	68 • C	69.1	68.1	68.4	68.4	63.4	65.7
G E	80001		68.9	69.4	73.3	71.	71.1	71.3	71.3	71.3	71.6	71.7	71.7	72.0	72.3	72.0	72.4
G E	70601		69.7	79.1	70.7	71.9	72.0	72.3	72.4	72.4	72.7	72.8	72.8	73.1	73.1	73.1	73.4
GE	60001	67.3	70.6	71.1	71.6	72.7	73.0	73.2	73.3	73.3	73.7	71.9	73.9	74.2	74.2	74.2	74.5
GΕ	50001	68.6	72.4	12.9	73.7	74.7	74.8	75.1	75.2	75.2	75.6	75.8	75.8	76.1	76.1	76.1	76.5
GE	45001		73.2	73.8	74.5	75.6	75.7	75.9	76.0	76.0	76.5	76.7	76 - 7	77.0	77.0	77.C	77.3
GE	40001		74.6	75.2	75.9	77.2	77.3	77.5	77.6	77.6	78 • 1	78.3	78.3	78.6	78.5	78.6	70.9
GE	35 00 1		75.4	76.0	77.0	78.5	78.6	78.9	79.0	79.0	79.5	70.7	79.7	90.0	9Q.D	87.0	P C • 3
GE	30001		76.2	77.0	78 . u	79.6	79.7	80.0	90.1	80.1	AC . 5	80.8	н.Ся	81.1	R 1 • 1	81.1	P1.4
GΕ	25001	77.5	77.0	77.7	76.8	80.4	4C.6	81.1	81.2	81.2	a1.6	81.2	91.8	82.2	92.2	£2.2	F2.5
GE	20001		78.2	78.9	63.3	62 · ú	92.3	8.59	82.9	95.0	e3.3	83.5	93.5	83.9	03.9	53.9	94.2
GF	14 00 1		78.7	70.5	80.9	82.8	93.0	83.5	B 3 . 7	83.7	54.1	84.3	84.3	54.6	P4.6	84.6	H4.9
GE	15001		A G . 2	81.2	82.6	84.6	84.9	85.8	86.0	86.3	A6 . 6	66.9	86.9	87.2	2.2	87.2	67.5
GΕ	12001		93.9	81.8	83.2	85.3	85.6	86.5	86.7	86.7	87.2	87.6	P7.6	44.7	99.0	89.0	F b • 3
			-														
GE	10001		32.4	83.4	84.8	66.9	87.3	8 P . 3	88.5	86.5	99.4	8 c • b	87.B	90.1	c0.1	93.3	90.6
GE	6001		82.9	84.0	R5 . 4	87.5	86. C	89.3	89.2	89.2	90.6	91.1	91.1	91.5	31.5	91.7	92.0
GE		76.9	° 3. U	84.1	85.5	87.5	86.1	89.1	89.4	89.4	9C.8	91.	01.3	91.7	91.7	91.9	92.3
6.5		77.1	93.4	84.5	85.9	88.1	₽8•6	89.7	89.9	69.9	91.4	91.9	91.9	92.4	92,4	97.6	92.9
GΕ	6231	77.1	83.9	84.9	86.3	88•5	49. B	90.1	90.3	90.3	92 • C	97.7	92.1	93.1	03.1	9 4 . 3	93.7
G E		77.2	84.6	85.9	87.4	89.7	96.2	91.3	91.7	91.7	93.5	94.7	94.	94.6	94.0	94.8	95.2
GΕ	4001	77.3	95.2	86.6	80 • 1	90.5	91.1	92.3	92.8	92.8	94.5	91.5	95.5	95.9	32.3	95.1	96.5
GE		77.3	85.2	86.5	86 • 1	90.6	91.2	92.5	93.3	93.3	95.8	96.7	C6.8	97.4	97.4	97.7	98.1
& E		77.3	95.3	86.7	88.7	90.8	91.3	92.6	93.7	93.7	96.7	90.1	98.2	99.9	38.3	99.2	99.6
GE	1001	77.3	45.3	86.7	88 . 2	90.8	91.3	92.6	93.7	93.7	96.7	90.1	98.2	98.9	99.6	99.4	99.8
GE	CI	77.3	45.3	86.7	88.2	93.8	01.3	92.6	93.7	93.7	96.7	96.1	98.2	99.9	39.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

	STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND											MONTH		HOURS	(LST):		
CEIL		• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •		VISI	BILITY	IN STATE	JTF MIL	 FS		• • • • • • •	• • • • • •	• • • • • • •	• • • • • • • • • • • •
IN FEE	t I	6E 10	GE 6	G E 5	GE 4		G <u>E</u> 2 1/2	G E 2	1 1/5 GE	GE 1 1/4	3 D	5E 3/4	G E 5 / 8	G E 1/2	۶/16 د/16	GE 1/4	GE 3
	*****	• • • • •	• • • • • •	• • • • • • •		• • • • • • •		• • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	
NO C	EIL (47.5	48.9	49.4	49.7	50,5	50.5	50.6	50.6	50.6	50.7	50.7	5 ₀ .7	53.7	50.9	51.2	51.3
GE 2	100001	51.0	54.7	55.2	55.5	56.3	56.3	56.4	56.4	56.4	56.5	56.5	55.5	56.5	56.7	57.1	57.2
6 E 1	80001	53.4	55.1	55.7	56 • 3	56.7	56.7	56.8	56.8	56.4	56.9	56.♀	E6.9	56.9	c 7 . 2	57.5	57.6
GE 1	10076	53.4	55.1	55.7	56 • €	56.7	56.7	56.8	56∙8	56.9	56.9	56.0	56.9	56.7	57.2	57.5	57.6
5 E 1	4ccal	54.C	55.8	56.3	56.6	57.4	57.4	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.8	58.1	56.2
GE I	20001	54.9	56.7	57,3	57.6	58.3	r ö. 3	58.4	58 • 4	58.4	58.6	58.6	58.5	58.6	58.8	59.1	59.2
G E 1	l gaps.	58.4	50.6	61.1	61.5	62.2	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.6	63.0	63.1
CE	90001	59.4	61.7	62.2	62.5	63.3	63.3	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.7	64.0	64.2
G E	80001	63.7	66.7	67.4	67 . 7	6 R • 5	68.5	68.7	68.7	68.7	68.8	60.0	68.8	68.8	6.9.0	69.3	69.4
G E	70001	64.9	68.1	68.6	69 - 1	69.9	69.9	73.1	70.1	79.1	70.2	70.2	70.2	73.2	70.4	70.7	70.8
4 F	60001	65.6	68.8	69.4	69.8	77.5	70.5	70.7	73.7	10.7	73.8	71.0	71.0	71.0	71.3	71.6	71.7
GE	50001	65.8	69.3	70.1	76.4	71.2	71.2	71.4	71.5	71.5	71.6	71.A	71.6	71.8	72.0	12.3	72.4
6 E	45001	66.4	70.5	70.7	71.0	71.9	71.8	72.0	72.1	72.1	72.2	72.4	72.4	72.4	72.7	73.0	73.1
Ŀξ	40001	67.7	71.4	72.2	72.6	73.3	73.3	73.5	73.6	73.6	73.7	74.0	74.0	74.7	74.2	14.5	74.6
G E	35601		73.1	74.0	74.3	75.3	75.G	75.2	75.3	75.5	75.5	75.7	75.7	75.7	75.9	76.2	76.5
G E	30001	69.3	74.4	75.2	75.6	76.4	7€.5	76.9	77.C	17.3	77.1	77.	77.3	77.3	77.5	77.8	77.9
GF	25 001	72.1	75.3	76.3	76.9	77.9	78.1	78.5	78.6	78.6	78.7	74.9	73.9	78.9	79.1	17.4	74.5
ù €	20031	75.9	76.6	77.9	78.7	80.0	P C . 4	80.7	80.9	8 J . A	8g.9	81.2	91.2	81.2	P1.4	01.7	9 1 • 8
GE	16001	71.8	77.5	79.0	79 . 8	61.1	91.5	81.8	91.9	61.7	82.C	82.2	42	82.2	°2.5	67.8	F 9
5 F	15.001	72.4	78.3	80.0	90.7	82.0	F 2 + 6	83.1	83.2	e3.2	P 3 . 3	B * • 5	A 3 . 5	83.5	A 3 . 7	84.1	44.2
ψE	12001	74.3	9 g . 4	62.2	83.u	84.4	65.1	85.9	86.0	34.0	96.3	06.5	F6.5	£6.5	P5+8	37.1	-7.2
(, r	10001	75.0	91.3	83.2	84.1	85.5	P6.3	87.1	A7.2	87.2	97.5	40.4	88.6	48.6	98.3	69.2	29.3
GΕ		16.2	P 2 • 8	84.8	85.7	87.2	88.1	69.9	A 3. I	69.1	49.9	30.7	91.5	91.7	91.2	¥1.6	91.7
GE		76.5	A 3 . 2	85.3	86 . 1	87.7	88.6	89.3	89.7	69.7	00.5	91.7	01.0	41.9	97.1	9 6	92.7
G €		76.7	93.4	85.5	56.3	87.9	90.6	89 .t	90.C	40.0	30.9	97.3	92.2	92.7	9 5	45.9	93.3
CF	6001	76.9	93.7	85.9	86.8	88.4	64.5	90.7	90.4	90.4	٠1٠,	37.5	92.7	92.7	05.4	97.3	93.4
GΕ		77.2	94.4	87.1	87.9	89.8	90.6	91.4	91.9	92.0	93.C	¥4.2	94.4	94.4	24.5	15.45	•5.3
GE		77.4	95.1	87.8	88.7	90.5	91.4	92.2	95.8	15.0	03.4	9 4	95.t	45.6	95.5	95.	96.3
GE		77.4	85.1	87.8	88.7	90.6	91.5	92.5	73.4	43.6	94.1	96.1	96.7	96.7	30.3	¥7.A	· 7 • 7
ÜΕ	\$001		95.4	88.1	98.9	90.9	91.7	92.8	93.8	94.0	35.4	97.6	97.5	97.4	36.3	46.0	06.1
G F	1001	77.5	45.4	88.1	88.9	90.9	71.7	92.A	43.4	94.	95.4	94.7	9H.2	94. 3	94.7	90.P	99.4
GE		77.5	95.4	89.1	88.9	90.9	91.7	92.A	93.8	94.7	94.4	9 F . ~	98.2	79.3	38.8		100.0

TOTAL NUMBER OF ORSERVATIONS: 929

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIFILITY FROM FOURLY OBSERVATIONS

STATION	NUMBER	: 727615	STATI	OI- NAME:	. MINO	T AF3 ND	,				PERIOD MONTH	0F FEC	_	-66 (LST):	ALL	
		• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	••••••			IN STATE			• • • • • • •		• • • • • •	• • • • • •	• • • • • • • • • • •
CEILING IN	, I GE	GE	GΕ	GE	GE	GΞ	GE	65	:.) ::)	GF	66	G E	6 E	ьf	6.E	6 f
FEET	1 10	6	5	4		2 1/2		1 1/2		1	3/4	5/1	1/2	1/16	1/4	3
				• • • • • •								• • • • • • •				• • • • • • • • • •
NC CEIL	. 1 49.3	51.2	51.7	52.1	52.8	52.9	5 ? • <i>2</i>	53.3	53.4	53.8	51.0	53.9	54.1	54.2	54.3	54.5
6E 2000	ICI 52.A	54.9	55.5	55.9	56.7	£ 6 . 7	57.5	57.2	57.2	67.7	57.4	57.8	58.g	(4.1	54.2	F E • 4
	01 53.3	55.3	56.0	56.4	57.2	57.2	57.5	57.7	57.7	58.1	50.5	58.3	59.4	64.5	54.7	6.84 à
GE 1600	101 53.3	55.3	56.0	56.4	57.2	57.2	57.5	57.7	57.7	c p . 1	58.3	58.5	54.4	5,4 .6	5 4 . 7	58.7
GE 1400	gl 53.6	55.7	56.3	56.7	57.5	57.6	57.8	50.€	58.1	58.5	58 . 6	58.6	58.9	64.3	59.1	5.9 . 2
GE 1200	31 54.0	57.0	57.€	58.5	50.0	C H. G	59.2	59.4	59.4	rd . H	23.0	50.0	63.1	F0.3	€3.4	63.6
65 102	al 58.2	63.6	61.2	(1.6	62.4	62.5	62.0	6.3	63.7	63.4	67.6	65.6	63.4	£3,+	64.1	64.2
	31 59.3	62.0	62.7	63.1	63.4	64.0	64.7	64.5	64.5	F. 4. 4	65	65.1	65.7	45.4	65.5	65.7
	01 62.1	55.0	65.9	66.3	67.2	1.3	67.6	67.A	67.A	68.3	6 - 1	69.5	69.7	F9.8	£ ₽ . 9	
	101 63.4	66.4	67.3	67.8	69.5	€ 8 • 8	69.2	59.4	69.4	69.5	70.0	77.1	10.3	73.4	17.4	71
	101 64.0	67.1	64.0	66.6	69.5	59.6	63.0	70.1	10.2	70.7	77.4	13.9	71.1	71.2	71.4	71.5
GE 570	al 65.3	49.6	69.6	70.2	71.2	71.3	71.6	71. 7	71.9	72.4	72.6	72.7	72.4	73.5	73.1	73.4
	001 66.2	57.6	10.6	71.3	72.	72.4	77.09	73.1	13.1	73.6	77.9	73.7	74.1	74.2	74	1 4 5
	001 66.9	73.4	71.6	72.4	73.€	73.6	74.1	74.4	74.4	75.	7 .	75.3	75.5	5.6	75.7	75.4
	301 67.6	71.3	77.6	73.5	74.7	74.8	75.3	75.5	75.6	76.2	74.	75.5	76 . 7	76.7	77.0	17.2
	01 66.4	12.4	73.8	74 - 8	76.1	76.2	76 . 7	77.1	77.1	77.R	10.0	79.1	79.3	76.4	7	7 - 1
GF 250								• •	10.0	79 . t.	70.0	₽J•3		e. 3	H~.4	*
	al 69.7	73.5 74.8	75 eu 76 eu	76 . 1	77.7	17.8	78.45	74.9	78.9 82.9	A1.5	81.4	# J •	80.1 92.0	92.2	42.3	42.5
	001 7.1 10.7 10.7	75.4	17.1	77.6 75.3	79.4	79.6 40.4	87.3	80.7 81.6	81.6	92.3	87.5	92.7	82.8	# 3 . C	6 ! • 1	F3.3
	331 71.9	77.5	78 • 6	5J.1	83.2 82.2	5 (• • • • • • • • • • • • • • • • • •	81.1	93.4	63.9	P4 . 7	85 • 1	55.1	H5.3	= 1.5	5.6	65.6
	31 72.9	78.5	90.2	81.6	83.9	54.3	85.4	86.0	a 6 • 1	A6.9	B7.4	F 7 . 4	87.7	n i	2.24	F.H.Z
	351 77.6	79.1	61.1	R2.5	64. V	21 5 a 4	86 • 6	P 7 . 3	B7. 1	R8 . 3	ų ₽ . Q	F0.5	49.3	49.5	09.7	#4.9
	301 74.0	74.7	61.4	A5.	£5.7	86.2	87.4	88.2	88.1	P9.4	97.1	90.7	90.1	9:1.9	91.0	91.2
	101 74.7	- 3 - 1	87.7	83.7	06.3	-6. E	88.1	PA. Y	89.	30.1	91.	91.1	¥1.5	c1.7	9.7.0	9.7 • 2
	331 74.5 331 74.6	40.5	62.0	84	46.7	e 7. 4	6 P . 7	89.6	89.7	93.4	41.5	91.4	92.4	92.6 03.5	9.7.0	93.1
ur e.	.61 /4.6	٥3.9	5 T . 1	P4 . 8	67.4	21.5	80.4	90.3	4C.4	31.7	92.7	92.1	93.3	91.5	4	04.1
64 40	24.9	-1.t	83.7	a5.7	88.5	49.2	97.6	91.6	91.0	98.5	cu.	94.3	94.8	21.1	44.4	24.6
	31 75.1	42.6	84.5	80	89.	49.7	9:.1	92,4	42.5	94.1	95.0	95.5	95.7	96.	75.4	16.7
	101 75.2	42.2	04.7	36.4	89.5	90. L	91.7	93.0	93.2	24.9	96.1	96.2	97.3	97.3	77.7	47. *
	15.2	52.2	84.7	86.5	69.5	96.1	91.9	93.2	43. I	25.3	44.3	97.3	97.8	29.5	98.9	99.2
6.5 10	201 75.2	2.2	84.7	· 6 . 5	69.6	30.1	91.A	33.	91.4	\$5.4	97.0	91.2	98.3	94.5	99.3	99.4
of.	01 75.2	a 2 • 2	44.7	P6 . 4,	84.t	93.4	91.8	93.2	93.4	25.4	97.3	97.2	99.3	98.5	99.3	100.0

TOTAL NUMBER OF OPSIRVATIONS: 7439

PERCENTAGE FREQUENCY OF OCCURPENCE OF CEILING VERSUS VISIBILITY FROM HOUPLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO PEGIOD OF RECORD: 77-87 MONTH: ALL HOURS (LST1: VISIBILITY IN STATUTE MILES GE GE 3 2 1/2 GΕ IN I GE FEET | ID GŁ t e É GE GE GE 2 1 1/2 1 1/4 G€ C GE 1 3/4 578 1/2 5/16 1/4 NO CEIL | 54.9 56.0 56.9 57.0 57.1 57.1 57.2 57.2 57.2 57.3 57.3 57.3 c7.4 42.0 62.1 62.1 GE 180001 59.9 62.0 62.2 62.2 62.2 62.3 62.5 €1.0 61.4 61.5 62.0 62.3 62.4 62.4 62.5 62.5 62.5 67.4 GE 160001 59.9 62.4 62.5 62.5 62.6 61.4 61.7 62.4 (1.1 62.1 140001 60.4 120001 67.0 63.6 62.7 62.B 62.3 62.9 63.0 43.3 64.5 63.9 64.2 64.3 64.4 64.5 64.6 69.7 67.9 GE 100001 65.0 GE 90001 66.1 67.4 67.5 67.7 68.9 67.8 67.9 67.9 64.0 €8.3 56.4 66 . 0 67.0 67.6 67.7 67.9 67.9 68.7 68.9 69.0 69.0 72.2 71.9 69.2 69.0 67.5 66.2 69.6 68.6 69.0 69.1 69.1 80301 68.9 70001 70.5 71.9 73.6 72.0 72.0 73.7 72.1 72.2 73.9 72.2 73.9 72.3 74.0 73.5 79.5 71.2 71.7 71.7 72.3 72.3 73.4 74.0 72.1 72.9 6°001 71.3 73.0 74.9 75.0 75.Ū 75.g 76.2 75.5 76.9 77.0 77.1 77.1 77.2 Feder 73.1 75.9 76.4 76.5 76.7 76.8 16.8 77.1 79.5 79.8 78.2 78.4 74.4 78.4 78.5 79.8 6 E 45001 74.2 76.8 78.6 77.2 77.8 77.9 78.3 78.2 78.6 40001 75.2 35001 76.2 77.3 79.9 77.9 78 - 4 79.3 79.1 79.3 79.5 79.5 79.7 70.7 79.8 79.9 78.5 80.3 87.1 80.8 91.0 P1.1 81.2 GE 79.6 я C • 4 80.6 80.8 81.0 B1.0 81.1 82.4 45.3 84.5 84.5 94.7 £4.¤ A4.8 R4.9 64.9 Gέ 20001 80.4 16001 80.9 15001 82.1 96.8 63.3 84.2 84.0 85.7 95.8 1.66 86.4 86.5 P6.7 86.8 87.5 86.9 87.6 26.9 85.9 87.6 87.0 P7.6 87.7 87.5 6 E 8 5 . 8 84.8 85.4 87.2 86.4 88.2 HE.S 86 •8 88 •7 67.1 99.6 99.5 87.6 67.7 89.7 28.3 86.6 6 E 12001 AT. 3 26.9 88.7 89.4 +3.1 97.6 93.9 91. 21. 7 91.5 91.5 91.6 91.7 91.7 91.8 10001 84.0 92.8 91.0 93.0 95.1 93.2 i. F 27.4 89.1 60.4 91.2 21.3 91.8 92.3 92.4 +3.2 93.3 91,2 9021 84.4 91.9 92.4 92.9 92.6 93.2 93.7 93.1 93.2 93.€ 93.4 94.3 94.1 94.1 94.2 6 48.4 89.7 92.1 93.6 94.5 94.8 95.5 93.0 94.4 94.2 94.5 6 5 9001 84.6 28.8 92.6 93.7 94.6 94.7 54.4 95.6 95.2 95.4 95.5 5 9 7031 64.9 99.2 90.6 91.5 94.3 95.4 97.9 \$7.6 (, E 1001 65.2 89.9 91.4 42.6 94.2 75.4 96.0 76.€ 97.1 97.5 97.4 97.4 94.3 4001 85.3 7001 85.4 99.1 98.2 94.4 75.1 70.2 91.7 95.8 96.1 96.5 96.7 91.1 27.4 97.9 92.9 94.7 95.0 94.9 98.4 98.7 96.8 99.4 43.3 94.5 98.7 99.1 95.2 2001 85.4 90.2 93.2 91.9 93.1 25.3 96.2 37-1 97. 1 98.2 96.6 99.1 49.6 98.2 91.9 95.1 95.3 97.3 45.3 46.2 97.1 97.1 01.65.4 90.2 93.1 4 R . A 98.9 91.9 95.0 98.2 6 F 95.3 96.2 97.3

TOTAL NUMBER OF OBSERVATIONS: A7641

TOTALS |

17.5

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM FOURLY OBSERVATIONS

23.4

37.7

6.4

7347

STATION NUMBER: 727675 STATION NAME: MINOT AFE ND PEPIOU OF RECORD: MONTH: JAN PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER TOTAL 7 0 2 3 6 (LST) I 9 10 MEAV 085 gg-sz) 5.7 28.5 19.1 15.8 19.3 03-05 1 18.2 10.4 12.1 5.5 921 C6-C8 1 22.1 23.4 15.7 918 L9-11 | 7.8 26.2 27.9 915 12-14 [8 • 1 25.7 914 26.3 45.0 7.1 15-17 | 6.2 28.5 78.1 7.1 921 76.8 18-20 1 12.3 29.1 22.5 16.2 6.5 9.55 21-23 | 21.6 917 24.6 16.3 77.3 5.4

STATION NUMPER: 727675 STATION NAME: MINOT AFS NO PERIOD OF RECOPD: MONTH: FEP PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER HOURS ! TOTAL 3 (LST) C 2 Q 845 60-02 | 17.2 45.0 25.0 12.7 6.2 63-05 1 24.9 16.3 43.0 840 13.8 6.1 33-30 15.8 24.5 16.0 43.7 6.5 843 09-11 | 7 • 3 22.2 7.4 8 5 7 27.2 43.2 12-14 | 5.3 23.2 26.7 44.9 7.6 942 15-17 | 5.3 21.7 29.2 44.1 7.7 945 16-20 1 6.3 845 21-23 | 17.3 43.7 6.7 18.8 TOTALS ! 15.4 43.6 6.9

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM FOURLY OBSERVATIONS

PEPIOD OF RECORD: 78-87

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

							HONT	H: MAR				
	URS STI	ō	1				TOTAL SM			ır	мевы	101AL 880
90	-02 l	26.8		• • • • • • • •	16.0	 • • • • • • • • •	 	•••••	14.4	40.9	5.9	930
C 3	-cs I	28.3			17.2				11.3	43.1	5.6	928
0.6	-08 (11.4			26.€				18 • 3	44.3	6 • 9	928
ù 9	-11	7 • 7			23.6				21.1	47.6	7 • 4	927
17	-14	5.4			25.9				26.9	41.8	7 • 4	937
15	-17	3.6			25.9				28.3	42.5	7.5	929
18	-20	4.9			29.2				23.4	42.4	7.2	937
21	-23	17.7			72.8				14.5	45.J	6.5	929
701	e (S - 1	13.2			23.4				19.7	43.5	6.4	7431

STATION NUMBER:								PEP IOD MONTH	: APR		79-87		
HOUPS (LST)	1	o	1	ERCENTAGE						9	10	MEAN	092 1019F
<u>ა</u> ღ−02	1 36	3.0		 18.5	• • • • • • • • •	• • • •	 • • • • • •		• • • • • •	14.9	78.6	4.8	8 9 4
03-05	1 30	3.8		25.2						15.7	28 • 3	5.0	968
6-08	1 9	9.8		33.6						26.0	10.4	6.4	769
L 9-11	1 (B • 5		33.4						25.0	33.1	6.6	899
12-14	1 9	5.0		33.6						21.9	33.5	6.9	899
15-17	1 5	5 • 2		51.7						71.0	32+1	6.9	898
19-20	1 9	5.5		37.€						28.0	29.0	6.5	844
21-23	1 29	4.9		11.7						16.7	76.8	5.1	893
TOTALS	1 10	b • 3		35.7						23.2	₹0+2	6.4	7175

15-17 |

18-20 1

21-23 1

TOTALS 1

2.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

PEPIOU OF DECORD: STATION NUMBER: 727675 STATION NAME: MINOT AFE NO PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER HOURS I TOTAL 3 5 ILSTI I 2 7 9 10 085 30-02] 27.7 28.2 29.6 5.1 927 15.5 03-05 | 15.6 18.7 9.6 06-08 1 5.7 39.6 24.6 'a.1 9.14 09-11 | 33.8 13.6 91P 30.5 b . ii 12-14 | 1.7 33.8 11.7 9.1 35.7 1.3 25.4 921 15-17 1.4 29.3 40.A 7.4 927 18-20 1 3.1 34.2 36.2 26.4 6.9 21-23 1 11.5 39.2 22.0 27.3 5.9 9.7 73+1 TOTALS I 9.0 28.0 28.9 PERIOD OF RECORD: MONTH: JUN. STATION NUMBER: 727675 STATION NAME: MINOT AFE ND PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER HOURS | 1014 3 ς, 0 2 3 10 **₩**[**Δ ** 065 ne-ez 1 22.8 27.7 4.8 72.1 17.4 23-65 1 15.3 74.9 26.9 19.9 5.5 900 u6-08 | 18.9 24.8 9 _ 0 6.4 29.9 t - 3 09-11 1 4 . 8 46.9 29.8 24.6 6.4 9) 7 957 12-14 | 1.7 41.6 12.4 24.1 6.5

43.7

46.5

45.5

A + 3

AVA

899

7146

34.6

19.7

11.6

PERCENTAGE FREWLENCY OF UCCURRENCE OF SMY ECVER FROM HOURLY OBSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO PERIOD OF TECUPO:

							W.C.M.	TH: JUL				
HOURS 	?	 P (F	CENTAGE	FREQUE	NCY OF T	ENTHS OF	TOTAL 5	CY COVE	p q	in	wf A.v	101A1 240
ua-e2 1	27.8	 •	36.5	• • • • • • •					19.4	17.3	4.5	4.0
€3-05 I	14.5		44.1						24.7	16.7		4.78
1 87-33	5.4		43.3						₹5.6	15.7	< = i	٠.،
09-11 i	6.1		47.6						11.4	14.1	• • 1	43"
12-14	2.7		4+.2						*6.+5	12.7	6.0	440
15-17 1	2.3		46.3						40.0	11.6	t	¥30
18-20	2.9		13.2						33 • □	10.1	5.65	437
21-23 1	11.2		52. E						25+2	12.3	5.3	9. F
TOTALS 1	9.1		46.4						10.6	13.4	5.5	7434

PERIOD OF RECURD: 78-87 MONTH: AUG STATION NUMBER: 727615 STATION NAME: MINOT AFR NO

HOUPS 1			PERCENTAGE	PREGUE	NCT "IT I	Latin. 2 (it	TOTAL SP					TOTAL
(157)	r	1 2	5	4	r	ŧ	7	R,	9	13	MEAN	ວະເົ
Co-02	76.4		36.5	• • • • • • • •		• • • • • • • •	• • • • • • • •	• • • • • • •	17.5	15.3	4.3	250
07-05 }	25.6		10.3						12.4	16.2	4.5	Ç _: 4
6-78	4.2		46.8						31.3	17.7	6.3	923
€9-11 I	6.0		46.						24.2	20.5	5.9	926
12-14 1	3.7		4 4 . 1						51 - 1	17.2	0.5	9.7
15-17	3.8		46.2						36 • 7	13.4	6.3	927
19-70 1	4.2		5, • 6						32.0	12.9	5.7	924
(1-23)	13.9		45.1						22.1	12.2	4.5	923
FUTALS	11.3		44.1						21.3	15.7	5.4	7403

TOTALS | 17.1

PERCENTAGE FREWLENCY OF OCCUMPENCE OF SMY COVER FROM FOURLY OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

STATION NUMBER:	121615	STAILEN N	lant: ml/	U 1 813 9U					16 6F F1	t Cuffü:	7 *- 1 6		
H0UPS (LST)		1	2	PERCENTAGE	F RE GUE	NCY OF T	ENTHS OF	101AL 59	CY COVE	9	17	™t ∧∿	TOTAL Oes
UC-02	71	. 3	••••••	23.6	•••••	• • • • • • • •	• • • • • • • •		• • • • • • •	15.0	79.8	5.1	A y 6
03-05	1 29	. 1		23.9						15.4	11.7	5.3	R 4 7
06-08	1 8	• 2		₹5.0						*0.1	76.6	6.4	8 ¥ 7
[9+11	(a	. 3		32. C						10.9	26.8	6.6	4 _ ۲
12-14	ļ b	. 2		31.6						*2.3	13.3	6.5	9.JC
1 - 17	1 5	. 3		32.2						36.1	26.3	b • ¥	900
18-20	1 7.	. 4		16.6						29.1	24.9	6.1	900
21-23	1 24	. 1		₹1.9						16.4	27.6	5	935
TOTALS	1 15	•0		31.2						25.6	25.2	6.1	7142

STATION NUMBER:			-					001939 HTMDM	: nCt		77-86		
HOURS	1				FREGUENC			IOTAL SKY		•••••	••••••	••••••	TOTAL
11511	1	0 1	. ?	3	4	5	6	7	Ŗ	9	10	MEAN	0 is S
00-∩2	1 73	1.5		19.7	••••••		• • • • • • •	•••••	• • • • • • •	17.2	10.5	5.2	9.2 R
03-05	1 30	1.7		23.2						14.1	72.J	5 • 2	926
∟6- €8		5.5		75.0						21.8	29.6	6.3	924
59-11	•			33.5						25.7	12.6	t.t	929
12+14	1 0	• 6		'2 · G						28.3	₹5•1	6.5	930
15-17	1 7	•5		29.9						11.0	*1.5	6.8	929
18-20				t.; . 8						27.5	28.7	6.3	930
21-23	26	.7		23.1						20.5	29.1	5.5	929

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM FOURLY OBSERVATIONS

		77-86		OF PEC	ONTH	н						HE: MI	AT ION NAM	76 7 5 S T	127	STATION NUMBER:
1014L 085	MEAN	10	9								PERCENT	2	1	9		⊦ours (LST)
896	5 9	41-1	13.6		••••	••••	 ••••	• • • •	• • • • • •	9	18,8		•••••	26.6	1	Ja- 02
892	6.3	43.8	15 • 1							9	17.9			26.1	i	33-05
899	6.4	14.3	19.2							4	26.4			15.1	ι	26-38
898	7 - 1	18.0	26.9							7	27.7			7.3	1	09-11
A 9 6	7.2	40.2	26.2							1	26.1			7.5	1	12-14
899	7 - 1	38 + 8	25.4							6	36.8			5.0	1	15-17
897	6 • 7	39 - 0	22.2							4	25.4			13.4	i	18-20
897	6.3	41.9	12.9							9	21.9			23.4	ı	21-23
7174	6.5	39.9	20.2							4	24.4			15.6	1	TOTALS

STATION NUMBER:	727675	STATION N	ME: MINO	T AF3 ND				4100 PEP 100 P		ORO:	77-86		
FOURS (LST)		л <u>1</u>	P 2	ER CENTAGE	FREQUENCY	0 F 5	TENTHS OF	TOTAL SKY	COVER	9	12	ME AN	101AL
00-02] 23	3.5	• • • • • • • • •	26.7	• • • • • • • • • •	•••	•••••		• • • • • •	18.1	37+6	6.5	922
03-05	1 26	.9		20.7						13.8	₹8.6	5.7	922
C6-08	1 20	J . J		26.6						18.7	34.8	6.0	97€
09-11	1 6	. 7		29.4						78.0	16.0	7.0	923
12-14	1 9	••0		26.7						27.3	37.1	7.0	923
15-17	1 5	5.7		₹6.9						29.1	14.3	7.0	916
19-20	j 11	1.6		31.0						22.3	*5.2	6.5	924
21-23	19	.5		21.2						20.8	38+5	6.4	923
TOTALS	1 19	5.4		25.9						22.3	36 • 5	6.5	7368

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOUGLY DUSERVATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND PEFIOD OF RECORD: 77~87 MONTH: ALL

• • • • • •	+0URS (LST)		2	1	2	PERCENTAGE 3	FRE QUEN	CY OF	TENTHS OF	F TOTAL SE	9	10	MEAN	TOTAL OBS
					• • • •						 	,,,,,,,,		
MAL	ALL	1	17.5			24.4					20.4	37.7	6.4	7347
FEP		ı	13.4			21.9					21.1	43.6	6.9	6736
MAR		i	13.2			23.6					19.7	43.5	6.6	7431
APR		1	16.3			30.7					23.2	30.2	6.3	7175
MAY		i	Y.Ü			34.1					28.0	28.9	6.4	7391
NUC		I	7.9			40.9					29.5	21.6	6.1	7196
JUL		1	9.1			46.4					30 . 8	13.8	5.5	7434
AUG		ļ	13.0			44.0					27.3	15.7	5 • 4	7403
432		1	15.0			31.2					25.6	28.2	6.1	7192
ocr		t	17.1			26.7					23.3	31.0	6 • 1	7425
NOV		1	15.6			24.4					20.2	39.9	6.6	7174
930		i	15.4			25.9					22.3	36.5	6.5	7366
	TOTALS	1	13.5			31.4					24.3	₹0.9	6.2	07272

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CEMELATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 FAFRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LONEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

EXTREME MAXIMUM AND MINIMUM VALUES

BATA BERTVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERIST INDICATES AN INCOMPLETE MONTH.

MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TEMPERATURES

DATA DERIVED FROM FOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARTIZED BY THE STANDARD 3-HOUR TIME CROUPS BY MONTH, MONTHLY AND ANNUALTY (ALL YEARS COMBINED).

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

CLMLLATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES FROM SUMMARY OF DAY DATA

STATION NO	JMBER	727675	••••••	STATION	NA ME:	MINOT AF	8 ND				PERIO	D OF REC	ORD: 59-	87 ••••••
) L MP	(F)]	MAL	FEB	MAR	A PR	YAM	JUN	JUL	AUG	SEP	0C T	NOV	D£ C	ANNUA
	• • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •		••••••			• • • • • • •	• • • • • • •			• • • • • • • • •
GE 1								. 2	2					• 0
LE :						• 1	. 4	1.5	1.7	.6				.4
6E	951 931				• 1	• 7	1.9	5.8	7.4	1.9	_			1 • 5
					. •5	3 • 1	5 • 8	17.3	19.6	4.7	• 1			4.3
GE	451				1.3	7.0	15.4	35 . 9	36.3	10.2	. 5			9.0
GE	6C1				2 • 7	13.7	29.3	62.9	53.1	18.3	2.1			15.3
6E	751			• •	5 . 7	23.4	52.6	81.9	70.9	29.1	6.0	• 1		22.7
GE	701			• 7	11 -1	40.8	74.9	94.8	84.9	43.7	13.3	. 7		30.6
GE	651			1.7	18 -1	54 • 5	87.6	95.8	94.C	58.9	24.4	1.5		36.8
GE	631			4	30 •0	68.3	95.5	99 • 8	98.7	72.7	37.2	3.7		42.6
٥Ē	55		. 1	7.6	41 .8	82.4	99.3	99.9	99.9	83.7	53.1	8.6	• 2	48.2
Ŀ£	sol	• 2	. 9	13.0	56 •4	91.1	100.5	100.C	100.0	93.2	67.5	16.9	1.0	53.6
GE	45)	1.2	3.9	21.8	68 .9	96 • 1				96.9	79.6	25.0	2 • 5	58.1
GE	401	6.7	11.8	33.9	79 .C	98+5				99.1	87.8	36 . D	9.2	63.6
٥F	351	15.C	21.6	53.1	b9 •2	99.5				99.9	95.7	50.6	19.4	70.2
С£	301	24.0	36.€	64.4	97.3	100.0				170.0	97.9	66.2	32.4	76.6
G£	251	34.0	50.4	74 . 6	98 .8						99.9	78.5	43.3	81.7
GE	201	42.1	59.3	84.3	99 . 5						100.0	96.8	58.2	85.9
GĘ	151	49.8	69.0	91.5	49 .8							91.3	16.5	69.0
GE	101	58.8	77.4	95.6	1 .0 .0							96.0	74.9	91.9
CE	5 (68.8	86.7	98 . C								98.0	£3.2	94.5
G.E.	- 1	78.2	92.3	99.5								96.8	51.1	96.7
üε	-51	87.2	97.3	99.9								99.6	55.3	98.3
6E -	101	94.4	99.2	100.0								100.0	58.5	99.3
GE -	-151	\$8.6	99.9										59.4	99.8
նե -	201	39.7	100.6										59.9	160.0
99	251	1000											110.0	100.0
	• • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •			• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •
MEAN	i	15.0	22.2	34 • i	52 .€	66.0	75 . 2	81.8	80.3	67.6	55.2	34.8	20.8	5 C . 4
\$ D		16.599	14.463	14.542	13.824	12.188	9.691	7.841	9.870	12.671	12.458	14.242	14.829	26.626
TOTAL OF	15	868	79 1	BEO	8 4 0	868	840	868	868	818	868	840	868	16197

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES FROM SUMMARY OF DAY DATA

STATION N	UMBER			STATIUN	NAME:						PERIO	O OF REC	ORD: 59-	8 7
TEMP	(fal	JAN	FLB	MAR	A PR	MAY	JUN	JUL	AU G	SEP	oc 1	NOV	DEC	A N NU
G.E.	701			• • • • • • • •	• • • • • • •		••••••	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • •
ÜE	651					-	, 1	1.5	. 5					•1
υE	e a l					. 2	3.1	15.3	4.3	, . 6				1.6
68	551					2 • 1	12.3	31.7	20.2	3.0				5.8
6E	571				. **	6 • 8	35.4	66.0	47.5	8.8	. 2			13.9
ն E	451			• 1	1.2	21.0 40.8	67.7 87.9	84.2 96.2	74.1	25.7	2.5			23.6
GE	401			-	13.7	62.8	96.4	99.8	91.6 98.0	46.3 69.3	8.9	. 4		31.7
6 E	251	. 6	• 6	2.5	31.5	61.8	99.1	100.0	99.7	-	22.7	1.1	_	38.8
66	331	1.4	1.9	7.6	43 . 7	87.6	99.5	100.0	99.9	86.4 91.0	46.7 55.2	4.6 7.9	- 3	46.3
68	301	2.1	3.5	18.1	61.5	93.4	100.0		100.3	95.8	71.1	14.2	1.6	49.8 55.2
GE	251	6.2	11.6	35.7	82.6	98.6	100.0		100.0	99.4	86.9	31.2	6.7	63.3
6	221	11.1	21.9	49.0	91.4	100.3				99.8	94.D	48.1	16.2	69.4
ίĒ	151	19.2	32.0	59.3	96 .2	130.0				120.0	57.8	64.8	27.3	74.8
GE	ici	26.7	42.1	70.6	98 •5						99.4	76.2	38.2	79.4
üΕ	٠si	34.1	50.6	80.0	19.0						99.8	84.2	48.3	83.3
GE	οį	43.9	60.2	86 • J	99 .2						100.0	91.0	.0.1	bt.9
GE	-51	55.2	71.3	92.7	99 ,4						•	94.4	72.1	90.5
Ŀ€	-101	64.3	81.7	96.5	99.9							97.7	13.8	93.7
	-151	76.3	9 C • C	98.4	3.001							99.3	61.2	96.2
	-501	87.2	97.1	99.3								130.0	56.0	98.3
GE	-25]	95.5	98.9	99.9								_	58.6	99.4
	- 3 🤈 📗	99.2	99.7	100.0									59.8	99.9
GE	-351	170.0	100.0										1(0.0	100.0
MEAN	1	-2.6	5. ₫	16.5	30 .9	42.4	52.0	56 · 8	53.8	43.6	33.4	17.4	3.9	29.5
SU	- 1	15.946	15.302	13.284	8 .6 97	8.373	6.496	5.806	6.679	8.246	8.365	12.176	14.096	22.760
TOTAL O	B 5 1	868	791	868	8 43	868	840	868	868	810	868	840	868	10197

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES FROM SUMMARY OF DAY DATA

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO PERIOD OF RECORD: 59-87 TEMPTER FEB AFR یا∆ل MAK MAY JUN JUL A L' G 0.01 DEC GE 901 •1 •0 GE 851 - 1 1.3 6.5 20.6 45.0 73.3 5.3 21.8 50.0 80.5 u E GE 631 751 2.1 5.3 4.4 17.5 39.9 63.4 . 7 2 • 8 1.0 ωE 701 651 7.9 18.8 34.9 54.0 75.2 1.4 5.6 14.2 32.5 1.5 14.1 18.9 27.5 6 E 6 E 601 551 501 4.4 30.1 90.1 A3.5 95.6 48.7 91.4 94.7 34.8 20 •6 36 •1 60 •0 68.7 98.3 41.6 103.0 98.3 6E 6E 6E 6E 6E 6E 5.u 99.9 51.2 71.0 5.4 14.0 401 94.4 170.0 . 8 54.5 351 301 251 231 151 101 6.3 15.9 27.7 85.0 94.1 97.1 25.6 43.0 98.6 3.0 8.6 16.0 26.4 14.8 43.3 170.0 10.6 43.0 69 .4 95 .7 99.8 67.2 13.2 57.6 69.1 78.7 60.5 73.6 83.2 89.3 23.0 34.7 48.7 59.8 75.6 83.0 86.7 40.5 98 .5 99.4 51.1 99.9 60.4 77.9 87.4 99.4 100.0 GE 5 I 92.7 70.0 9C • 0 GE GE 62.5 71.5 87.5 90.4 1 00 .0 96.7 78.8 GE -5| GE -15| GE -15| 98.6 98.3 18.4 95.5 97.5 98.9 83.3 91.2 99.7 93.9 97.1 94.3 99.4 98.6 100.0 GE -201 GE -251 98.2 99.6 103.6 59.4 99.8 100.0 GE -301 100.0 MEAN | 6.6 | 13.8 | 25.5 | 41.7 | 50 | 15.999 | 14.491 | 13.114 | 10.372 40.2 54.4 9.442 69.6 67.3 6.899 9,476 9.494 12.601 14.083 24.418 79.1 TOTAL OBS I 868 868 868 10197 8 40 868 840 868 868 840 868

GLORAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

EXTREMS VALUES OF MAXIMUM TEMPERATURE
(FRUM DAILY OBSERVATIONS)

STATION NUMBER: 727675 STATION NAME: MINOT AFB NO

PERIOD OF RECORD: 59-87

• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	••••••	WHOLE DE			• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
							- N- T -H- S						ALL
YEAR	JAN	FEB	MAR	AP F	MAY	JUN	-JU L	AUG	SEP	0 C T	NOV	LEC	MONTHS
59	• • • • • • • • •			• • • • • • • • •		• • • • • • • •		• • • • • • •	• • • • • • • •	69	56	41	• • • • • • • • • • • • • • • • • • • •
60	4C	43	6.5	6 9	87	89	106	96	9.9	82	64	45	106
61 1	47	51	63	6.7	87	96	93	101	83	83	70	51	101
62 1	43	42	5.8	8 6	77	8.8	83	93	88	74	59	53	93
63 1	50	56	75	7.7	8.7	84	95	96	92	91	5.6	4.8	96
6+ I	43	45	5.5	72	92	92	92	97	86	8.3	65	33	97
65 1	33	43	39	19	84	81	85	99	77	74	74	53	99
66 1	26	4.	75	64	8.8	91	95	9.3	92	82	46	4 3	95
61	41	40	6.3	6.4	84	92	97	94	91	71	5.5	5.2	97
6 e	44	45	b 9	6 7	78	94	98	93	8.8	71	51	4.2	98
69	32	3.3	36	7.2	94	8.3	89	100	91	70	63	5.8	100
75	41	46	45	7.	90	93	99	98	97	80	56	44	9 9
71 1	37	44	63	6.2	65	67	Ó R	105	96	73	5.5	37	105
72 1	45	43	56	66	94	89	89	95	8.7	72	4.8	4.1	95
73	46	48	68	79	86	95	98	98	84	80	5 c	38	98
74 [42	40	45	8 5	76	94	100	93	85	81	58	4.8	106
75	39	47	56	5 &	8.2	89	100	92	87	81	75	42	100
76	37	46	61	74	80	67	100	99	160	85	64	48	100
77 (32	5:	63	91	96	96	137	86	83	80	66	39	107
78 j	30	36	6.2	7 1	85	89	94	100	163	76	73	36	173
79	23	34	4 C	64	90	104	96	90	98	76	58	59	104
83	44	32	5 3	96	100	94	102	90	95	86	61	48	102
61 1	47	5.	61	83	86	93	163	97	96	71	69	38	103
62	35	46	46	8 5	8.8	86	92	96	100	/1	5 3	44	100
8.3	45	46	54	7 1	91	97	131	105	98	77	73	27	105
84	44	51	5.9	7 3	96	91	101	101	8.9	74	5.8	42	101
65 I	"1	45	60	85	90	64	46	89	6 2	71	56	39	96
86	43	46	71	7.8	97	9.8	91	96	76	76	57	41	98
97	50	5′;	6.5	9.3	95	102	98	95					
MEAN	40.0	43.9	58.0	76.7	88.0	91.4	96.3	96.0	90.4	77.1	60.3	43.9	99.9
5.U. Ì	6.864	5.95.	13.156	9.611	6.197	5.506	5.932	4.517	7.196	5.727	7.854	7.318	3.605
TOTAL OBS 1	868	791	968	84.3	868	840	868	868	810	868	840	£68	10197

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

LATREME VALUES OF HINIMUM TEMPERATURE USAFETAC (FROM DAILY OBSERVATIONS)

AIR BEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFE NU

PERIOD OF RECORD: 59-87

						WHOLF DEG							
							N-1-H-S						ALL
AE ND 1	JAN	LEA	MAR	AF F	MAY	JUN	JUL	AUG	SEP	CCT	NOV	CEC	HONTHS
59		•••••	•••••	• • • • • • • • •	• • • • • • • •		•••••		• • • • • • • •	17	-10	•••••	• • • • • • • •
6 i	- 20	-12	-15	19	26	38	4.7	44	30	- 8	-14	-15	-23
61 1	- 26	+27	12	1 -	20	4.2	4.7	48	27	18	3	-25	-26
62	- 29	- 32	-30	1.7	24	36	44	43	30	18	16	-16	-32
63 [- 25	-19	ε	19	22	4 3	> 0	44	35	22	- e	-25	-25
64 1	- 24	- 1 &	+21	1 &	31	3 🤉	49	34	27	19	-20	-21	-24
65 I	-23	-15	-13	2.5	28	4.2	45	3.7	19	22	- 3	-16	-2
66	- 34	- 26	Ťč	1 3	22	3 9	53	42	31	14	- 7	-19	- 3 4
67	- 27	- 29	-6	6	25	3.5	3.8	42	29	24	-5	- 3 3	- 3
68	- 32	-16	6	5	29	43	43	36	34	23	C	-26	- 3 2
64 1	- 27	- 24	-1C	19	3 1	30	4.7	45	35	17	2	-10	-2
7ú	- 28	- 20	- 8	1 1	30	47	49	4 3	26	22	- ě	-25	-28
71 1	- 28	-23	-2	15	29	34	44	41	34	17	1	-17	-20
72	- 32	-21	-24	1 3	26	37	40	42	2.9	4	- 7	-27	+32
73	- 25	- 20	15	6	27	43	48	46	27	25	- 9	- 24	-29
74	- 28	- 25	-15	16	29	38	4.7	38	19	17	- 3	- 4	-2
75	- 22	-19	- 9	-1 1	3.2	41	49	39	32	18	-18	-22	_2.
76	- 26	-17	-22	2.7	25	39	39	4 C	23	10	- 8	-26	-21
77	- 32	-9	2	1 2	32	47	49	37	35	27	-15	- 30	- 3 .
78	- 30	-18	-14	2.2	32	3 3	46	37	32	22	-20	-24	- 3 (
79	- 27	- 33	-13	- €	24	39	44	33	34	17	4	-12	-31
ا دع	-21	-27	-22	1 €	23	40	49	40	3 3	16	3	-25	-2
81	-15	- 20	12	1 4	21	46	48	42	31	7	13	-18	-Ž (
62 1	- 25	- 20	-6	٤	30	40	48	30	29	20	-1	-10	-2'
A S I	- 22	- 14	5	1.7	25	39	47	49	28	25	2	- 35	-3
84 1	-23	-0	-11	2 5	2.6	5.2	4 4	٩Ç	24	7	1	- 2 n	-2.
8.5	- 25	-21	2	19	34	34	45	40	29	14	-19	-16	-2
86]	-16	-21	5	14	28	39	51	41	3 3	20	- 7	- 9	-2
87 I	-3	5	3	2 €	3 3	4.5	47	37					
PLAN	-24.9		-6.5	13.9	27.2	39.1	46.2	40.4	29.3	17.4	• • • • • • • • • • • • • • • • • • • •	-16 0	~27.
5.0.	6.239	-19.3 7.484	11.762	8.489	4.092	4.461	3.304	4.356	4.505	6.231	-4.8 9.179	-15.4 9.(24	4.32
AL 085	868	791	868	54°.	868	840	86.8	868	810	868	840	9.124 868	1019

NOTES • (BASED ON LESS THAN FULL MONTHS)

R (AT LEAST ONE DAY LESS THAN 24 OBS)

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

MEANS AND STANUARD DEVIATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PEPIOD OF RECORD: 77-87

LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	J∪L	AUG	SEP	001	NOV	TEC	ANN
ng-03	MEAN F	8.3 16.500 930	13.6 15.806 846	74.6 11.986 930	36 . 7 9 . 7 8 1 9 0 0	48.5 9.505 930	56.6 7.138 900	62.0 6.364 930	59.5 7.641 930	49.7 8.612 900	39.5 8.689 930	23.7 13.419 900	11.7 14.6 ₀ 7 930	36.3 21.791 10956
3-05	1101 085		12.5 16.025 846	23.5 12.141 930	34 .7 9 .3 68 9 00	45.8 9.139 930	54.1 7.247 900	59.6 6.373 930	57.C 7.66C 93G	48.2 8.768 970	38.1 8.543 930	22.9 13.384 9CD	11.1 14.818 930	34.7 21.222 10956
06-08	1280 1011	7.6 17.039	11.7 16.115 845	22.5 12.271 930	35 •8 9 •7 63 9 00	49.0 9.840 930	7.379 900	63+2 6+204 930	59.0 7.713 930	46.5 8.693 900	37.5 8.345 930	22.3 13.393 900	10.5 15.106 930	35.7 22.532 10955
09-11	MEAN 1	9.0 16.757 930	14.0 16.189 <i>9</i> 46	27.0 12.919 936	44 •6 13 •2 65 9 00	58.6 12.030 930	67.1 8.841 903	72 • 8 6 • 8 5 1 9 3 0	69.6 9.302 93 ₀	57.5 10.803 900	44.6 10.278 930	25.9 14.230 900	12•1 15•133 930	42.C 25.843 10956
12-14	MEAN I		18.7 15.787 846	31.9 13.239 93G	50 -4 14 -6 19 9 00	64.0 13.407 930	72.0 9.884 900	78 • 8 7 • 8 5 D 9 3 D	76.4 10.445 930	63.7 12.573 900	51.3 12.205 930	31.1 15.372 900	16+1 15+144 930	47.5 26.760 10956
15-17	MEAN 1	14.2 16.012 930	23•2 15•241 846	33.7 13.212 93u	52 • 2 14 • 7 5 9 9 CO	65.5 13.444 930	73.7 10.187 900	80.7 7.925 930	78.5 10.546 930	65.3 13.172 900	52.2 12.374 930	31.3 15.411 900	16.5 15.069 930	46.8 27.699 10956
18-23	I TOT OBSI	10.9	17.0 15.149 846	30.2 11.928 930	48 +0 13 +2 76 9 CD	62.1 12.419 930	76.7 9.388 900	76.8 7.319 930	73.6 9.831 927	59.3 11.486 900	44.9 10.004 93J	26.0 13.707 900	13.5 14.958 930	44.5 26.392 10953
21-23	MEAN !		14.9 15.612 846	26.7 11.188 936	40 .6 10 .5 .76 9 CD	53.4 10.278 930	61.6 7.809 900	66.9 6.358 930	63.8 8.125 927	52.0 9.036 900	40.9 9.075 930	24.1 13.463 900	12.4 14.651 930	39.0 23.128 10953
ALL	MEAN 1	10.0 16.647 7440	15.3 15.992 6767	27.6 12.930 7440	42 .9 13 .7 22 72 00	55.9 13.454 7440	64.3 11.117 7200	70 - 1 10 - 34 7 74 4 0	67.2 11.974 7434	55.5 12.333 7200	43.6 11.370 7440	25.9 14.445 7200	13.0 15.076 7440	41.1 24.981 87641

GLOBAL CLIMATOLOGY BRANCH WEI-BULB TEMPERATURES DEG F FROM MEANS AND STANDARD DEVIATIONS USAFETAC MOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AFE ND

PEPIOD OF RECORD: 77-87

FOURS! STATS !	NAL	FEB	MAR	AP R	MAY	JLN	JuL	AUG	SEP	OC T	NOV	C E C	ANN
TOT OBS	7.3	12.4	22.6	33 • 3	43.6	5C.9	57.0	54.2	45.2	36.1	21.7	10.6	32.9
	15.766	15.195	11.436	8 • 6 20	7.800	6.394	5.384	6.769	7.599	7.571	12.415	14.014	19.949
	928	845	935	8 76	881	888	902	926	900	930	900	930	10636
TOT 085		11.4 15.378 845	21.6 11.663 930	31 .8 8 .5 39 8 76	41.9 7.855 879	45.4 6.696 888	55.5 5.652 900	52.7 6.942 927	44.3 7.671 900	35.1 7.494 929	21.0 12.414 900	10.0 14.2 ₀ 5 930	31.6 15.746 10631
MEAN	6.5	17.6	21.2	32 .6	44.2	52.3	57.8	54.1	44.6	34.7	20.6	9.5	32.4
36-08 SD	16.269	15.472	11.937	8 .6 71	7.839	6.390	5.130	6.673	7.679	7.431	12.476	14.486	20.663
101 ORS	927	845	930	8 76	880	888	898	927	899	927	930	930	10827
1 MEAN 1	7.8	12.7	24.4	38 .1	49.6	56.5	62 • 4	59.5	49.8	39.5	23.3	10.8	36.2
	15.949	15.388	11.84u	9 .8 96	8.046	6.421	4 • 7 39	6.533	7.570	8.034	12.690	14.410	21.861
	930	844	93J	8 74	882	891	8 9 9	930	899	928	900	930	10637
MEAN	11.7	16.8	26 · u	41.0	51.8	58 • 2	64 • 3	61.6	52.4	43.2	27.1	14.3	39.2
12-14 SD	15.337	14.684	11 · 3 4 2	9.7 C3	7.973	6 • 4 1 4	5 • 0 7 5	6.485	7.733	8.568	12.668	14.100	21.116
Tot obs!	930	846	9 3 J	8 7D	683	8 9 2	9 0 0	930	898	9*7	900	930	10839
I MEAN 1	12.5	18.2	29.3	42 .0	52.3	58.6	64.4	61.8	52.8	43.5	27.1	14.7	39•8
	15.004	14.178	10.946	9 .4 58	7.642	6.128	4.905	6.266	7.805	8.633	12.635	14.643	20•624
	930	846	93.	8 73	885	890	902	930	900	930	900	930	10846
I MEAN I	9.6 15.279	15.5 14.442 846	27.1 10.607 929	40 •0 9 •2 56 8 73	50.7 7.561 888	57.5 6.130 891	63.4 4.438 901	60.1 6.279 927	50.2 7.855 899	39.5 8.008 -930	23.5 12.308 900	12.2 14.236 930	37.4 21.264 10644
MEAN	8.1	13.6	24.6	36 • 0	46.5	53.9	59.8	56.3	46.5	37.3	22.0	11.2	34.6
21-23 SD	15.555	14.975	10.613	8 • 6 75	7.612	6.392	5.181	6.624	7.562	7.853	12.427	14.040	20.459
TOT OBS	930	846	93u	8 73	886	891	901	927	899	930	900	930	10843
I MEAN I	8.8 15.783	13.9 15.171 6763	24.9 11.632 7439	36 .8 9 .8 51 69 91	47.6 8.660 7064	54.7 7.185 7119	60.6 6.104 7203	57.6 7.403 7424	48.2 8.348 7194	38.6 8.582 7434	23.3 12.725 7200	11.7 14.301 7440	35.5 20.945 86703

DEW-POINT TEMPERATURES DEG F FROM HOURLY DBSERVATIONS

MEANS AND STANDARD DEVIATIONS

...

STATION NUMBER: 727675 STATION NAME: MINOT AF3 NO

PERIOD OF RECORD: 77-67

LST			FEB	MAR	APR	MAY	JUN	JUL	AUG	750	001	NOV	I E C	ANN
 02 	101 095	.0 18.252 928	84.5	17.7 13.410 93.	27 .6 9 .5 F1 8 76	37.2 9.149 881	45.7 7.896 888	53.3 5.926 932	49.9 8.009 926	40.5 8.458 910	?1.3 8.193 93J	16.3 13.628 930	4.2 16.512 930	27.5 21.460 10836
3-05 	MEAN SO Tot obs		5•1 17•969 845	16.8 13.720 93u	26 .8 9 .7 76 8 76	36.5 8.898 879	44.8 8.078 888	52.3 6.208 900	49.0 7.889 927	40.0 8.460 900	30.7 8.649 929	15.8 13.663 900	3.6 16.71J 930	26.7 21.499 18831
6-D8 80-6	MEAN SD TOT OBS	8 18.798 927	4.3 18.142 845	16+1 14+078 93J	27 .4 9 .5 83 8 76	38 • 3 6 • 6 9 2 8 8 0	47.j 7.814 888	54.0 5.757 898	50.3 7.527 927	4 C • 5 8 • 4 6 5 8 9 9	10.4 7.987 927	15.4 13.775 900	3.C 16.696 935	27.1 22,22 ₁ 13827
9-11 	TOT OBS	18.454 18.454 930	844	18.3 13.566 93.	29 • 3 9 • 7 32 8 74	40.0 9.201 882	48.2 8.203 891	55.7 5.967 899	52.4 7.861 930	42.9 8.113 899	?3.2 8.189 926	17.4 13.545 900	930	79.0 22.320 10837
2-14	MEAN SD TOT 085		9.9 16.994 846	20.6 12.389 936	29 .4 9 .1 CD 8 70	39.6 9.141 883	47.6 8.406 892	55.1 7.072 990	51.4 8.382 930	42.7 8.489 898	34.1 8.497 93J	19.4 12.696 90g	6.9 16.552 93G	3C.D 3C.795 10839
5-17 	101 0BS	4.9 17.438 930	11.3 16.450 846	21.4 11.718 93u	29 .4 8 .9 73 8 73	39.1 9.208 885	47.1 8.1 ₀ 7 890	54 • 1 7 • 184 902	50.2 8.629 930	41.9 8.682 900	33.6 8.903 930	19.4 12.600 900	7.5 16.422 930	30.0 20.135 10846
9-25 	MEAN SD TOT ORS	1 2.4 1 17.825	9.4 17.335 846	20.7 11.985 929	29 - 7 9 - 2 75 8 73	38.8 9.414 888	47.2 8.264 891	54.8 6.907 901	50.4 8.610 927	41.8 8.847 899	32.7 8.733 933	17.6 13.155 900	5.7 16.716 930	29.2 21.413 17644
1-23 	MEAN SD 101	18.028 930	7•6 17•574 846	19.4 12.411 930	29 . 3 9 . 4 4 7 8 7 3	38.4 9.287 896	47.4 5.611 891	54.9 6.026 901	50.5 6.115 927	40.9 8.634 899	31.6 8.672 93J	16.7 13.505 900	4.8 16.529 930	28.5 21.481 10643
ALL	MEAN SO TOT OBS	1.4 18.226 7432	7.5 17.656 6763	18.9 13.059 7439	28 .6 9 .4 91 69 91	38.5 9.186 7064	46.9 8.159 7119	54.3 6.481 7203	50.5 8.187 7424	41.4 8.573 7194	32.2 8.502 7434	17.2 13.397 7200	5.0 16.720 7440	28.5 21.408 66703

CUMULATIVE PERCENTAGE FREQUENCY OF OCCUPRENCE FRCH HOURLY OBSERVATIONS

RELATIVE HUMIDITY

PEPIOD OF PECORD: 78-87

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

										MONTH: JA	•	
-	HOURS	! !			FRE QUENCY				-		/ MEAN /	
		101		308	4C %	50%	6 28	701		953	HUMIDITY	· ·
JAN	J 80-82 	1 100.0	176.0	100.0	99.8	94.8	73.9	45.2	14.9	2.1	68.6	921
	03-05	100.0	100.0	166.0	99.7	94.0	75.5	41.7	13.4	2.7	68.3	927
	06-08	100.3	100.0	1.00.0	99.6	94.1	15.2	43.7	12.7	2.8	68.4	427
	09-11	100.0	100.0	100.0	99.8	93.4	72.4	42.4	13.1	2.2	6 P • 1	931
	12-14	100.0	100.0	100.0	9 9. A	91.9	69.3	31.5	9.4	1.7	66.2	931
	15-17	100.0	100.0	100.0	10 0 • 0	92.7	68.7	32.3	10.2	1 • 9	66.2	931
	18-20	1 100.0	100.0	130.0	100.0	96.2	72.4	43.1	12.2	3.0	68.2	931
	21-23	1 100.6	100.0	100.0	100.0	95.2	72.5	42.5	12.€	2.4	68.2	931
	TOTALS	1 130.0	100.0	100.0	90.8	94.3	72.7	43.3	12.1	2.4	67.9	743:

•

ITOTALS !

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OPSERVATIONS

RELATIVE HUMIDITA

PERIOD OF RECORD: 79-87

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

130.0 100.0 100.0

99.9

MONTH: FEB PERCENTAGE FREQUENCY OF RELATIVE PUMIDITY GREATER THAN MONTH) HOURS | PERCENTAGE FREQUENCY OF RELATIVE PUBLICATION OF THE CONTROL OF THE 100.0 100.0 100.0 99.9 FEB 1 00-02 1 97.2 78.3 59.2 26.4 7.5 72.5 844 1 33-05 i 100.0 100.0 100.0 100.0 97.2 77.9 58.7 24.5 7.7 72.1 944 130.7 100.0 100.0 99.9 36-08 96.4 78.3 57.9 25.7 72.3 39-11 100.0 100.0 100.0 99.6 95.3 77.3 49.9 23.1 ٠.7 70.6 100.0 100.0 100.0 99.8 95.4 70.7 3 . A 40.8 16.1 69.3 241 15-17 100.0 100.0 100.0 99.8 95.0 72.3 41.7 14.5 2.0 68.5 641 18-20 100.0 100.0 100.0 100.0 81.0 56.5 23.6 ۶, ۶ 71.9 A46 96.6 1 21-23 1 100.0 100.0 100.0 100.0 82.2 26.0 96.9 61.5 5.1 72.0 946

77.7

53.3

22.6

5.2

71.1

6763

96.3

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM MOURLY OBSERVATIONS

RELATIVE FUMIDITY

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND PERIOD OF RECORD: MONTH: MAR MONTH | HOLRS | PERCENTAGE FRECUENCY OF RELATIVE HUMIDITY GREATER THEN PERCENTAGE FRECUENCY OF RELATIVE HUMIDITY GREATER THAN I MEAN I TOTAL I IRELATIVE! NUM I 10% 20% 3J% 4G% 50% 60% 70% 8C% 90% INUMIDITY 085 I 1 16511 1. 1 00-02 1 1 ng . 0 100 . C 100.0 59.9 98.1 ₹8.5 33.9 9.0 75.1 64.1 93(100.0 160.0 130.0 100.0 03-05 1 98.1 69.0 66.2 17.6 75.7 37.D 9 11 26-09 1 69.3 100.0 100.0 130.0 10 C. C 97.6 66.5 37.4 9.7 75.6 93(29-11 | 100.0 150.0 130.0 99.1 92.7 75.3 50.1 25.6 9.0 70.6 331 12-14 1 130.0 100.0 99.0 92.6 82.4 63.4 35.7 16.3 4.5 64.7 93(100.7 100 . C 97.6 88.3 76.6 56.5 31.9 13.8 3.5 936 62.6 1 18-27 I 160.0 100.0 99.7 96.8 89.8 72.0 22.3 5.0 925 46.4 68.8 1 21-23 1 100.0 100.0 100.0 100.0 98.0 87.3 31.2 9.0 74.1 93[60.6 I TOTALS I 100.6 160.6 99.5 97.1 91.7 76.9 52.9 27.2 7.4 70.9 7435

CUMULATINE PERCENTAGE FREQUENCY OF OCCURRENCE FOM MOURLY OBSERVATIONS RELATIVE +UMIDITY

PERIOD OF PECOPD: 78-87

STATION NUMBER: 727675 STATION NAME: MINOT AFS NO

									μ.	ONTH: API	R	
1 -1 T M D M	POURS	 							GREATER T		MEAN RELATIVE	1011L NCP
i 		1 10%	201	362	40 %	508	603	70%	803	931	HUMIDITY	085
APR	00-02	100.0	100.0	160.C	97.3	91.6	80.4	53.8	27.3	5 • 1	71.2	876
į	03-05	100.0	100.0	100.0	90.1	94.4	85.0	62.1	32.3	6.1	73.4	₽7€
į	J6-08	100.0	130.0	49.9	98.9	93.5	82.3	58.7	29.0	5 • 8	72.4	87t
į	09-11	100.0	99 • 2	93.C	81.4	64.6	44.7	24.5	11.1	2.4	57.7	874
į	12-14	100.0	94.5	79.8	59.1	44.3	28.5	15.6	7.1	1 • 3	48.5	870
į	15-17	160.0	92 • 4	70.9	52.6	40.1	25.0	13.6	6.5	1.6	46.0	813
ļ	18-20	100.0	96 • 6	84.7	68.5	52.7	36.7	20.5	10.3	2.4	52.9	87?
į	21-23	100.0	100.0	98.9	92.4	82.4	64.1	41.2	19.9	4 • 1	65.9	B 7 3
i	TOTALS	100.0	97.8	90.9	81.2	70.5	55.A	36.2	17.9	3.7	61.7	6971

130.0

97.3

66.1

70.9

56.0

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

55.1

7064

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND PERIOD OF RECORD: MONTH: HAY PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN MEAN | TOTAL |
...|RELATIVE | NUM |
| HUMIDITY | OBS | MONTH | HOURS ! 1 (LST) | 10% 20% 30% 40% 50% 60% 70% 80% 90% MAY | 00-02 | 100.0 100.0 98.8 93.2 81.7 60.2 41.0 19.3 5.3 65.6 581 03-05 | 100.0 100.0 99.9 97.3 88.6 73.7 50.6 27.1 79.0 06-08 1 100.0 100.0 99.3 94.9 83.5 63.1 43.0 20.5 5.0 eet 66.7 39-11 100.0 89.2 69.7 46.7 28.7 16.6 7.9 1.9 51.5 882 12-14 100.0 95.0 43.5 27.0 17.7 71.1 10.1 5.9 1.7 42.9 883 1 15-17 91.3 62.4 37.7 25.3 16.5 5.4 885 100.0 2.0 40.7 10.3 3 • 00 1 32.1 18-27 94.4 73.6 50.0 21.2 13.1 6.3 2.1 45.3 866 62.9 1 21-23 1 130.3 99. 7 94.2 80.9 42.3 27.9 12.6 58.2 886 4.0 1 TOTALS 1 3.5

40.3

26.6

13.1

CUMULATIVE PERCENTAGE FREQUENCY OF OCCUPRENCE FROM HOURLY OBSERVATIONS

RELATIVE FUMIDITY

STATIO	IN NUMBER	: 727675	STATION	NAME: P	TINOT AF3	ND				PERIOD OF MONTH: JUN		9-87
HONTH	HOURS (pER	CENTAGE	F RE GUENCY		ATIVE HU		REATER	THAN	MEAN RELATIVE	TOTAL
į	103,7	103	20%	30%	403	50%	60%	70%	80%	90%	[HUMIDITY]	085
ן אוננ	00-02	1G0.0	100.C	99.8	98.3	86.8	70.9	44.9	19.8	5,4	68.4	RBE
1	03-05	100.0	100 · C	99.7	99.4	92.1	78.2	57.8	28.3	8.2	72,1	888
ļ	06-08	100.0	100.0	99.8	96.7	85.5	67.5	43.8	19.5	4.7	67.6	686
!	09-11	130.0	99.8	93.7	76.4	49.8	28.3	16.7	7.6	2 • 8	53.3	891
	12-14	100.0	99.2	79.8	51.3	27.0	17.0	10.2	4.9	1.6	44.8	892
	15-17	190.0	96 • 5	72.2	39.8	24.0	14.3	8.ე	3.8	• 9	41.8	99[
	18-20	100.C	99.0	81.5	54.8	33.8	20.5	9.4	4.5	1.3	46.1	891
	21-23	100.0	100.0	99.2	91.2	73.1	50.5	28.5	11.4	3.3	61.4	891
	TOTALS	100.0	99.3	90.7	76.0	59.0	43.5	27.4	12.5	3.5	56.9	7119

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

RELATIVE PUMIDITY

STATION NUMBER: 727675 STATION NAME: MINOT AFS ND PERIOD OF RECORD: 78-87 MONTH: JUL HONTH! HOURS! PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN MEAN | TOTAL | HUMIDITY OBS | (LST) | | 10x 20x 30x 40x 50x 60x 70x 80x 90x JUL | 00-02 | 100.0 100.0 23.9 902 03-05 100.0 100.0 100.0 98.4 92.6 77.7 35.4 10.6 77.4 900 06-08 100.0 100.0 100.C 99.4 96.2 83.9 57.2 25.7 6.6 72.9 89E 09-11 100.0 100.0 98.3 89.0 64.8 34.1 16.2 5.5 1.8 56.7 899 12-14 99.4 30.4 14.9 6.6 3.2 1.1 46.2 900 100.0 88.0 61.3 15-17 100.0 98 . 4 78.7 46.1 23.9 12.0 4.1 1.6 . 9 42.2 902 18-20 100.0 99.8 90.5 67.0 38.1 20.0 7.9 2.2 ٠9 48.4 901 21-23 100.0 100.0 69.5 901 66.4 TOTALS 1 99.7 82.6 67.4 52.1 33.5 13.6 3.8 60.5 7203 100.0 94.4

0

CUMULATIVE PERCENTAGE FREQUENCY OF OCCUPRENCE FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

78-87

7424

59.2

TOTALS 1

100.0

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

98 . 6

90.9

78.1

63.3

PEPIOD OF RECORD: MONTH: AUG PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN HONTE | FOURS | (LST) |. 10% 20% 30% 60% 70% 80% 901 40 % 50% 10* 00-02 100.0 100.0 97.6 92.3 79.2 57.3 71.6 926 03-05 100.0 99.0 95.5 75.7 927 100.0 88.3 06-08 100.0 100.0 98.9 95.3 84.6 63.5 927 85.3 61.0 38.3 19.4 1.9 56.7 93[99.1 96.9 6.8 09-11 100.0 52.6 28.8 . 9 93(12-14 100.0 97.2 81.4 14.6 8.0 4.0 44.3 1 15-17 1 100.0 94 . p 67.7 38.9 20.5 11.8 6.5 3 . 8 ٠, ۵ 40.1 93C 5 7 . 7 5.8 927 34.3 21.6 11.8 1.2 47.1 18-20 100.0 97 • 6 83.8 57.1 34.3 14.7 2.8 63.8 927 1 21-23 1 100.0 100.0 98.8 94.7 78.9

49.4

33.7

16.3

3.9

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

RELATIVE FUMIDITY

STATION NUMBER: 727675 STATION NAME: MINOT AF3 NO

PEP100 OF RECORD: 77-86 MONTH: SEP

										IONTH: SE	P		
MONTH	HOURS	1	PE	RCENTAGE	FRE CUENC	y OF REL	ATIVE HE	MIDITY G	REATER T	HAN	MEAN RELATIVE	TOTAL	• • • • • • •
	1	1 163	20%	30%	403	50%	60\$	70%	80%	901	YTIGIMU#	065 l	
SE P	00-62	1 100.0	100.0	99.9	98.6	90.6	75 - 1	56.9	32.6	10.7	72.1	90L	
	03-05	100.C	100.0	136.0	99.6	95 • 2	81.7	60.3	37.9	14.3	74.5	900	
	06-08	100.0	100.0	100.0	99.2	95.1	85.1	61.5	36.7	14.2	74.9	A 9 5	
	37-11	100.0	99 . 4	96.7	85.2	68.6	51.3	33.7	16-1	4,4	61.2	895	
	12-14	100.0	97 • 4	82.4	62.2	44.5	28.6	17.8	9.0	1.6	50.3	898	
	15-17	100.0	95 • 0	74.6	5 4 • 0	36.4	24.0	14.2	8.6	2.9	46.8	900	
	18-20	100.0	99 • 2	90.7	74.6	57.0	39.3	25.4	12.8	4 . 2	55.9	899	
	21-23	100.0	100.0	99.8	95.6	84.5	64.7	45.6	24.2	7.6	07.8	895	
	TOTALS	100.0	98,9	93.0	8 3 • 6	71.5	56.2	39.3	22.2	7.5	62,9	7194	

GLOBAL CLIMATOLOGY BRANCH
CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
RELATIVE HUMIDITY

PERIOD OF RECORD: 77-86

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

										MONTH: 00	7		
MONTH	HOLÆS (LST) 	1	PE	RCENTAGE	FRE QUENC					THAN	MEAN	- • • •	•••••
		1 103	20%	3u2	40 %	50%	631	7 C %	80%	۶۵ ۶	YTIGIMUH		
ост	00-02	i 160.0	100.0	99.9	99.4	95.7	84.4	57.4	33.4	13.9	73.5	93[•••••
į	03-05	100.0	100.0	100.0	99.2	96.3	88.5	65.3	37.5	13.8	75.5	929	
	06+08	100.0	100.0	130.0	99.6	97.3	89.9	68 • 1	39.7	13.1	76.3	927	
	09-11	100.0	100.0	99.1	9 3. 9	81.4	63.7	39.4	19.5	6 • 8	66.1	92 t	
	12-14	100.0	99.1	92.3	75.6	57.4	35.3	19.2	9.9	4.5	55.0	930	
	15-17	100.0	98 . 6	88.5	69.3	\$0.0	31.9	17.3	9.1	3,9	52.6	930	
	18-20	100.0	òò • e	98.2	92.2	80.0	59.7	16.5	16.7	4.9	64.3	150	
	21-23	100.0	100.0	99.7	98.2	91.9	77.2	47.7	25.8	8 • 2	70.8	936	
	I Liotais	1 100-0	99.7	97.2	a.c. a	91.3	66.2	47.9	24.0	A . T	66.8	7434	

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM MOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727675 STATION NAME: MINOT AF3 NO

PERIOD OF RECORD: 77-86
MONTH: NOV

	HOURS (LST)				FRE CUENCY				-		HEAN L	TOTAL	••••
i		161	20%	\$ن3	46 \$	50%	60%	701		9 C 3	HUMIDITY		
NOV I	00-02	1 150.0	100.0	100.0	90.4	95.8	86.9	63.7	30.9	a.6	74.1	900	
	03-05	100.0	1 CO • C	130.0	99.3	95.9	86.9	66.4	33.6	9.7	74 . A	901	
	C6-08	1 130.0	100.0	100.0	98.9	95.8	68.D	70.0	34.6	10.1	75.3	369	
	39-11	100.0	1 30 • 0	99.6	97.7	92.9	81.4	54.9	24.7	6.9	71.4	93[
	12-14	100.0	99 • 7	97.2	92.1	80.8	61.6	36.7	15.4	4.3	64.3	906	
	15-17	100.0	99 • 8	97.0	90.6	78.4	60.5	34.6	15.1	5.2	63.7	900	
	18-20	100.0	100.0	90.7	97.7	93.4	81.6	55.2	24.4	7.6	71.5	900	
	21-23	100.0	100.0	100.0	99.1	96.4	86.4	63.9	30.4	8.7	74.0	936	
	I I TOTALS	100.0	99.9	99.2	96.9	91.2	79.1	55.7	26.1	7.7	71.1	720(••••

GLOBAL CLIMATOLOGY BRANCH USAFETAC

CUMULATIVE PERCENTAGE PHEQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

RELATIVE PUMIDIT

77-86

AIR WEATHER SERVICE/MAC

STATION NUMBER: 727675 STATION NAME: MINOT AF3 ND

PERIOD OF RECORD: MONTH: DEC MONTH HOURS ILST) 1 DE C 20-02 100.0 100.0 100.0 99.5 95.1 81.4 54.4 24.7 7.7 71.8 93[79.8 03-05 100.0 100.0 99.9 94.8 54.5 100.0 24.6 7.0 71.6 930 06-08 100.0 100.0 100.0 100.0 95.2 80.8 53.8 23.0 6.3 71.4 93[39-11 199.0 100.0 150.0 99.2 93.4 77.1 48.1 21.2 6.3 70.2 93[12-14 100.0 100.0 100.0 98.3 89.6 68.8 38.0 67.3 93(15-17 100.0 100.0 100.C 98.8 89.5 72.4 41.4 16.9 67.9 93[4.6 18-20 100.0 100.0 100.0 99.6 94.1 81.3 51.6 24.4 71.2 930 5.8 21-23 100.5 82.7 93[130.0 99.8 9 6 . 4 94.6 54.3 24.5 7.3 71.6 I TOTALS I 100.0 100.0 100.0 99.3 93.3 78.0 49.5 21.9 6.3 70.4 744[

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

PELATIVE HUMIDITY

STATION NUMBER: 727675 STATION NAME: MINOT AFE ND

PERIOD OF RECOFD: 77-A7 MONTH: ALL PERCENTAGE FREQUENCY OF RELATIVE HUMIUITY GREATER THAN | MEAN | TOTAL |
....|RELATIVE| NLP |
| HUMIDITY| OBS | M ON TH | POURS (LST) | 762 802 90g 20% 30% 40 % 50% 60% 10% 100.0 ALL 100.0 100.0 99.8 94.3 72.7 40.3 12.3 2.4 67.8 7432 FEB 100.0 100.0 100.0 99.9 96.3 77.2 53.3 22.6 5.2 6763 71.1 MAR 100.0 99.5 97.1 91.7 76.9 52.9 27.2 7.4 77.9 100.0 7439 90.9 81.2 APR 97 • 8 70.5 55.8 36.2 17.9 3.7 6991 100.0 61.3 100.0 97.3 7 0. 9 MAY 86.1 56.0 40.3 26.6 13.1 3.5 55.1 7064 99.3 JUN 100.0 90.7 76.D 59.0 43.5 27.4 12.5 3.5 56.9 7115 JUL 100.0 99.7 94.4 82.6 67.4 52.1 33.5 13.6 3.8 60.5 7203 AUG 100.0 98 . 6 90.9 78.1 63.3 49.4 33.7 3.9 59.2 7424 SEP 100.0 98 • 9 93.0 83.6 56.2 39.3 22.2 7.5 7194 62.9 100 . 0 99.7 91.2 90.9 81.3 A . 3 66.2 43.8 24.0 7434 66.5 NOV 100.0 99.9 99.2 96.9 91.2 79.1 55.7 7.7 1201 26.1 71.1 DEC 100.0 100.0 99.3 93.3 78.0 49.5 21.9 6.3 744E 100.0 70.4 I TOTALS I 99.3 19.1 100.0 95.2 88.3 78.0 62.2 41.0 5.3 64.5 86703

PRESSURE SUMMARTES

STATION PRSSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARTZED BY THE STANDARD 3-HOUR TIPE GROUPS BY MONTH, MONTHLY AND ARRUALLY CALL YEARS COMBINED.

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA BERIVED FROM HOUPLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANUARD DEVIATIONS AND OBSERVATION COUNTS.

STATION FRESSURE IN INCHES MG FROM HOURLY DRIENTIANS

MEANS AND STALDARD DEVIATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE NO

PERIOD OF PECORD: 77-87

URS ST	STATS 	JAN	FEB	MAR	AP D	МАЧ	JUN	JUL	AUG	SEP	0 (1	NOV	DEC	ANN
	G2 290 101		28 Z	•224 31ú	28 •1 83 •2 18 3 35	28.144 .194 310	28.131 .164 300	28.160 .149 310	•158 310	·217 300	•209 310	.261 300	28.212 .276 310	.221 3652
3	MEAN SD TOT ORS	28.267 .265 310	28 • 25 1 • 23 9 28 2	28.186 •226 316	28 •1 77 •2 23 3 CG	28.143 .195 310	28 • 1 3 0 • 1 6 8 3 0 0	28.156 -153 -310	28.190 .160 310	28 • 183 • 225 300	28.181 .210 310	28.205 .265 300	28.212 .275 310	28.190 .223 3652
•	MEAN I SD I ITOT URSI	28.259 .266 310	28 • 25 0 • 23 6 28 2		28 •1 83 •2 26 3 00	28.151 .198 31g	28.142 .170 300	28.167 .155 310	28.197 -165 310	20.185 .229 300	28.184 -212 31U	28.201 .266 30 ₀	28.215 .276 315	28.193 .224 3652
9		28.268 .265 310	28 • 26 2 • 23 9 26 2	28 + 2 C 5 + 2 2 8 3 1 g	28 •1 95 •2 26 3 CD	28.16C .201 31C	28.154 .170 300	28.178 .156 310	29.210 .170 310	28.199 .234 300	28.198 .215 310	28.213 .264 300	28.219 .276 310	26.205 .225 3652
2	MEAN SD TOT 08\$	28.276 .269 310	28 • 26 6 • 24 1 28 2	28.206 •227 316	28 .1 91 •2 21 3 CO	28.145 •201 310	28.145 .170 300	78.172 •152 310	28.201 171 310	28.194 .230 300	28.195 .216 310	28.211 .262 300	26.223 .277 310	28+202 +226 365-2
,	I MEAN I I SD I I TOI OBSI	28.246 .269 310		28 • 184 • 22 J 31 J	28 •1 67 •2 16 3 00	28.121 .198 31 ₀	28 • 126 • 165 300	28.155 .148 310	28.178 .165 310		28.167 .212 310	28.186 •256 30 ₀		26.178 .221 3652
	MEAN SD TOT OBS	28.261	28 • 24 7 • 23 5 28 2			26,106 194 310				28 • 169 • 213 300				26.176 .219 .7651
	MEAN SU TOT OBS	. 26 3 31 0	• 236 282	•212 310	.2 12 3 00	.192 310	•160 300	.146 310	•157 309	•211 370	.209 510	•256 300	.274 310	28.187 .216 3651
.L	l MEAN SD JOJ OBS	28.264 .266				28.137 .197 2480								28.190 .223 29214

SEA LEVEL PRESSURE IN MBS FROM HOURLY DBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 727675 STATION NAME: MINOT AFE ND

PERIOD OF RECORD: 77-67

F OURS	STATS	JAN	FEB	MAR	AP F	MAY	JUN	JUL	AUG	SEP	001	NOV	LEC	ANN
	SD TOT OBS	0	1020.3 9.437 282	1017.1 8.554 310	10 15 •5 8 •2 48 2 99	1013.2 7.299 310	1012.2 6.111 300	1012.9 5.599 31g	1014.2 5.964 310	8 • 24 8 300	1015.4 7.885 310	10. ₃ 82 300	10.865 310	1016.1 8.848 3651
23	1 SD 1	1021-1 10-502 310	1020.1 9.488 282	1016.6 6.702 310	10 15 •2 8 •4 C7 3 CO	1013.1			1014.1 6.057 310		1815.2 7.966 310		1018.9 10.815 310	1015.9 6.935 3652
26		1021.0 10.506 310	1020.2 9.423 282	8.704 310	8 •4 61 3 00	310	6.367 300	5.797 310	6.198 310	8•660 300	8.001 310	1017.5 10.200 300	13.647 316	1016.2 8.913 3652
C 9	MEAN SD 101 ORS	1071.4 10,474 310	1020.7 9.483 282	8•735 31 _ا	1016.0 8.465 300	310	1013.0 6.333 300	1013.6 5.8 ₀ 3 310	1014.9 6.331 310	1015.3 8.765 30 ₀	a,076 31j	1018.0 10.140 300	1019.3 10.863 310	1016.6 8 948 3652
12	MEAN SO TOT OBS	1021.5 10.593 310	1020.7 9.531 282	1017.5 6.664 310	1015.8 8.264 300	1613.2 7.541 310	1012.7 6.287 300	1013.4 5.690 310	1014.6 6.384 31C	1015.0 8.648 300	1015.8 8.092 310	1017.8 10.072 300	10.685 310	1016.4 6.977 3052
15	I MEAN 1	1020.3 10.558 310	1019.6 9.413 282	1016.6 8.482 310	10 14 .8 8 .1 24 3 CO	1012.4 7.436 310	1012.3 6.173 300	1012.7 5.546 310	1013.7 6.149 310	1014.1 8.283 300	1014.7 7.970 31J	9.911 300	1016.3 10.754 31g	1615+5 8+794 3652
	I MEAN I	1021.0	1020.0 9.301 282	1016.7 8.133 31u	1014 +6 7 -9 71 3 50	1011.9 7.309 310		1012.1 5.460 310	1013.2 6.039 30£			1017.5	10.706 310	1015.5 8.802 3650
	1101 CBS1	10.385 310	1020.4 9.363 282	8 • 1 3 1 3 1 u	10 15 • 3 7 • 9 9 3 3 CO	1012.4 7.265 310	5.952 300	1012.4 5.441 310	1013.7 5.900 309	8 • 0 2 2 3 0 0	1015.6 7.883 313	1017.8 9.895 300	1019.1 10.788 310	1016.0 8.793 3651
ALL	MEAN SD 101 OAS	1021.1	1020.3 9.422 2256	1017.u 8.511 2480	10 15 .4 8 .2 45 23 99	1012.9 7.409 2480		1012.9 5.647 2480		1014.7 8.398 2400	1015.4 7.958 2480	1017.6 10.031 2400	1019.0 10.805 2490	1016.0 6.843 29212

END

DATE FILMED